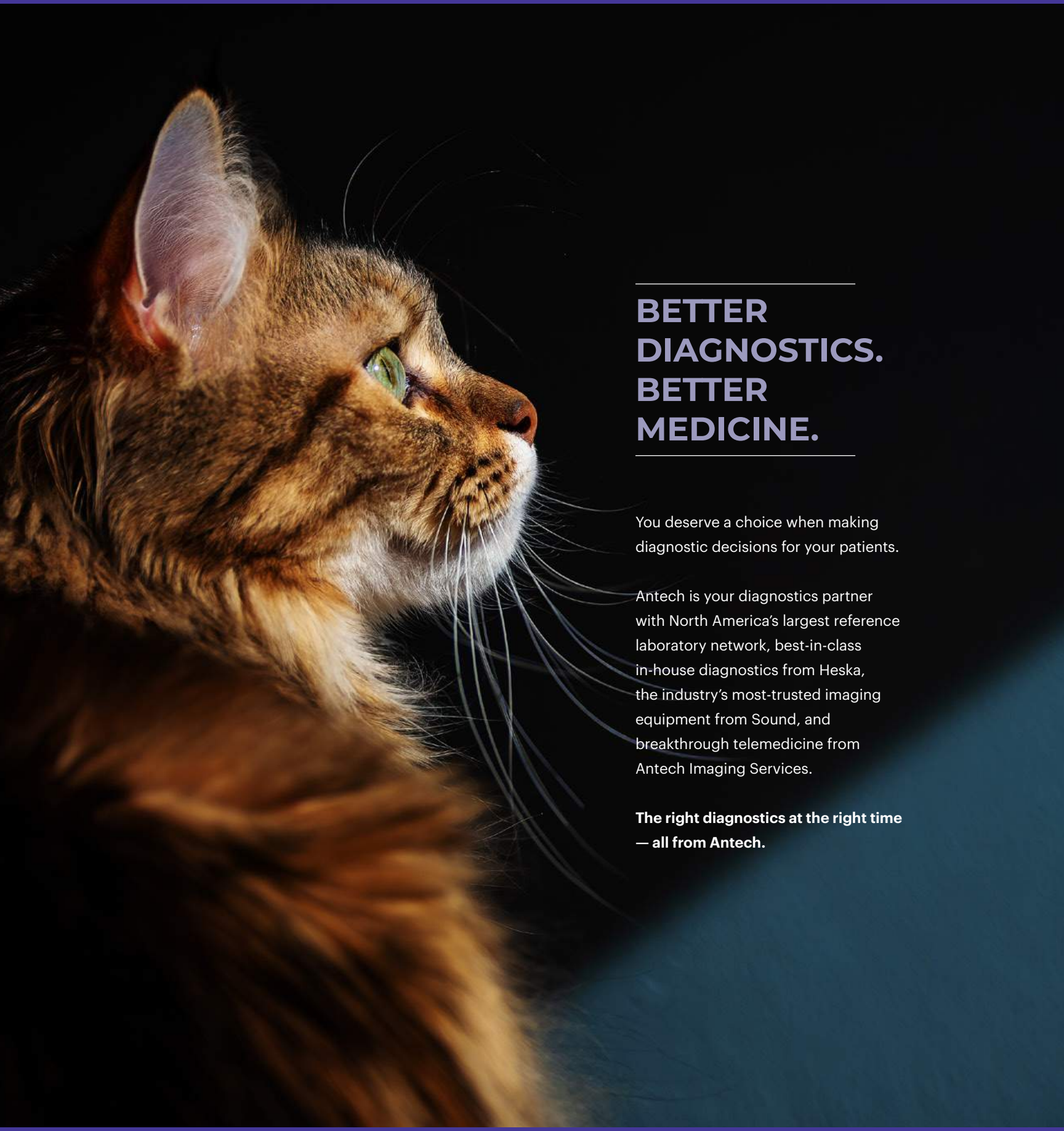
ANTECH

2024

DIRECTORY OF SERVICES

ANTECHDIAGNOSTICS.COM

CANADA



BETTER DIAGNOSTICS. BETTER MEDICINE.

You deserve a choice when making diagnostic decisions for your patients.

Antech is your diagnostics partner with North America's largest reference laboratory network, best-in-class in-house diagnostics from Heska, the industry's most-trusted imaging equipment from Sound, and breakthrough telemedicine from Antech Imaging Services.

The right diagnostics at the right time — all from Antech.

NORTH AMERICA'S LARGEST REFERENCE LAB NETWORK

- Core diagnostics, including hematology, chemistry, parasitology, microbiology, and clinical and anatomic pathology
- Novel innovations like KeyScreen® GI Parasite PCR — the most advanced GI parasite screening solution in veterinary medicine
- Medical consulting services provided by board-certified specialists across all key specialties

IN-HOUSE DIAGNOSTICS BY HESKA, AN ANTECH COMPANY

- Most comprehensive in-clinic diagnostics portfolio on the market
- Innovative, accurate, and cost-effective core diagnostics including hematology, chemistry, immunodiagnostics, and ova and parasites
- Emergency and critical care diagnostics including blood, gases, and acid-base
- Best-in-class serological allergy assessment
- Rapid infectious disease testing with expanding menu (heartworm, FIV/FeLV)

HESKA'S IN-HOUSE DIAGNOSTIC SUITE, NOW OFFERED BY ANTECH

DIAGNOSTIC IMAGING AND EDUCATION FROM SOUND

- Digital radiology for superior image quality and diagnostic capabilities
- A comprehensive, accessible ultrasound portfolio
- Advanced therapeutic laser solutions for impactful treatment
- Efficient mobile and fixed CT solutions
- Innovative PACS to view your images confidently from any modality
- Gold standard for training and education

TELEMEDICINE AND AI-POWERED SOLUTIONS

- Expert interpretations of digital radiographs
- On-the-spot interpretations of ultrasounds
- Consultations by the world's largest team of board-certified veterinary radiologists
- AI-powered interpretations of routine digital radiographs in just minutes in many circumstances

HESKA

IN-HOUSE DIAGNOSTICS BY HESKA, AN ANTECH COMPANY

The world's only fully automated fecal and urine point-of-care lab

Element AIM™ works to perfectly prepare, automate, and take images of feces and urine. It finds important cells, bacteria, crystals, casts, and parasites (including roundworm, hookworm, tapeworm, whipworm, *Giardia*, and more) using a fast and sanitary load-and-go workflow. The Element AIM provides quality results and images to you and your clients — faster than ever.

Learn more

heska.com/element-aim

- Sealed test cassettes eliminate the mess and smell of handling slides and cover slips
- Superior lab-quality optics for crystal clear images in just minutes
- Digital images are easily stored in medical records and shared with clients and specialists
- Automation removes user error and wasted time at the microscope and during sample prep

DIAGNOSTIC IMAGING AND EDUCATION FROM SOUND

Sound SmartDR®
An unparalleled digital radiography system

Sound HD Dental
Superior diagnostic intraoral and periodontal images

GE® Ultrasound
Helping veterinarians incorporate ultrasound into practice since 1996

doctorVet Plus Therapy Laser
Everything you need in a therapy laser and nothing that you don't

CereTom® CT
A portable, wireless, self-shielded CT scanner to roll into your surgical suite

OEC C-Arm
High-quality images from a proven, dependable, classic C-Arm

Sound Assurance®
Protecting your investment and your practice

ACADEMY of VETERINARY IMAGING

Education
Possess the training to perform specific ultrasound exams

Sound imaging equipment and services are not only high-tech, but they are also intuitive. We are here for you and your patients, from customer service and tech support to customer education.

Speak with a Sound Representative today

1-800-268-5354

soundvet.com/request-demo

TELEMEDICINE AND AI-POWERED SOLUTIONS

Antech Imaging Services (AIS®) is here to provide your clients and their pets with the best care possible by offering board-certified specialists in radiology, cardiology, internal medicine, avian/exotics, oncology, neurology, and surgery — all by using cutting-edge digital technology partnered with the best practices of traditional veterinary medicine.

AIS PennHIP — the most effective hip screening tool available for dogs.

All dogs can benefit from PennHIP testing. For dogs at risk of developing hip osteoarthritis (OA), early intervention can help prevent or lessen the severity of canine hip dysplasia (CHD).

It gives an estimate of the risk for painful osteoarthritis (OA) of canine hip dysplasia (CHD) later in life. With this information, preventive and palliative strategies can be recommended by the PennHIP-trained veterinarian.

AIS RapidRead™ — accurate radiology reports at the speed of light.

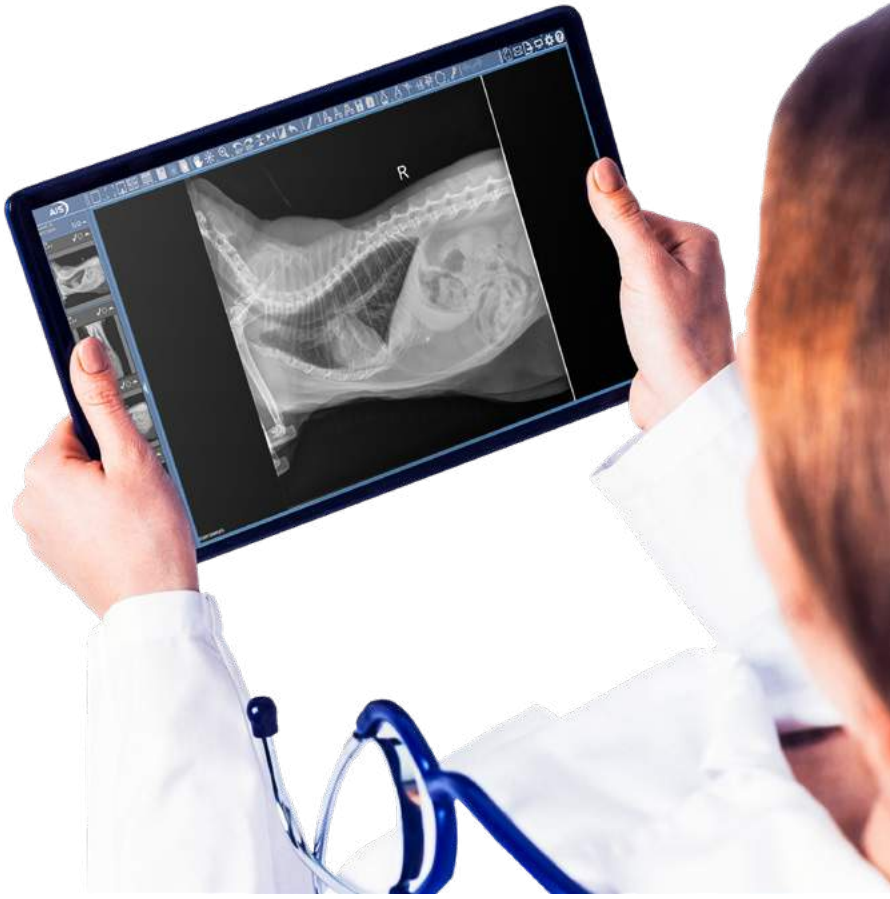
AIS Radiology RapidRead combines an ever-expanding, continuously trained neural network and a world-class team of radiologists and data scientists that delivers:

- 63+ findings and growing
- Contextual assessments for deeper insight so you can diagnose and treat your patient with confidence, sooner
- We continue to add new findings and will soon add ECG, Dental, CT, and MRI to our AIS RapidRead platform
- AIS online picture archiving and communication system (PACS) service is available 24 hours per day, 7 days a week, 365 days a year to securely store and digitally transmit electronic images and clinically relevant reports

Find a specialist that's right for you

1-877-727-6800
antechimagingservices.com/antechweb/contact

Our goal is to build close working relationships between practitioners and specialists. AIS personalization allows you to pick a preferred specialist, or a group of specialists, based on your preferences.

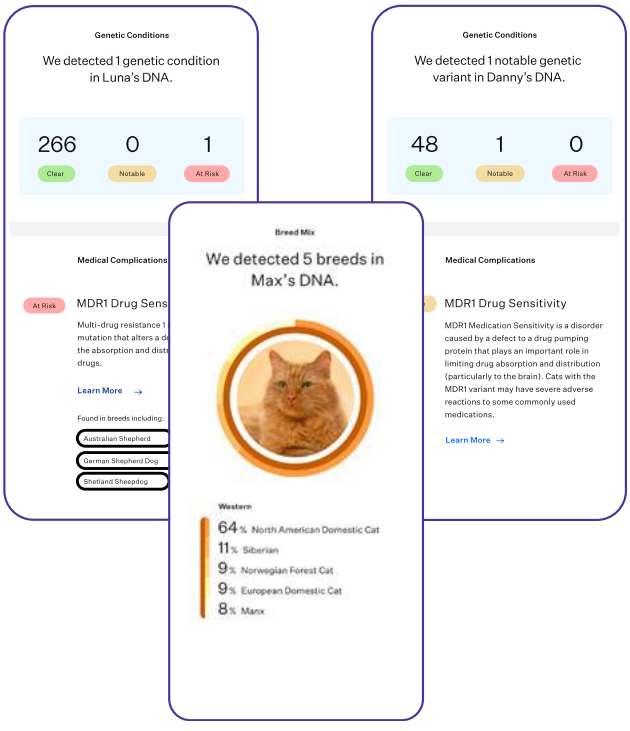


WISDOM PANEL™

COMPREHENSIVE GENETIC SCREENING TO IDENTIFY POTENTIAL HEALTH CONDITIONS EARLY — FOR DOGS AND CATS

Wisdom Panel™ Premium enables better risk management in pre-anesthetic and preventative care:

- Detect before clinical signs develop — and proactively counsel pet owners on risk, diet, exercise, and breeding
- Detects MDR1 Medication Sensitivity (cat and dog), von Willebrand's Disease Type 1 (dog), Intervertebral Disc Disease Risk (dog), Polycystic Kidney Disease (cat), Hypertrophic Cardiomyopathy (cat), and many more
- Canine panel includes 265+ disorder-associated genetic health variants
- Feline panel includes 45+ health conditions
- Backed by 35+ published papers
- Includes pet owner-friendly breed and trait identifications



Wisdom's veterinary consultants support you in interpreting genetic results so you can build proactive, tailored healthcare plans for your patients

Canine Wisdom Panel™ Premium

CS14497
page 109

Feline Wisdom Panel™ Complete

CS14498
page 109

KEYSCREEN® GI PARASITE PCR

The new standard in parasite diagnostics

CT991
page 105

KeyScreen GI Parasite PCR brings the power of PCR to routine parasite screening. Use KeyScreen to find more GI parasites and treat them with greater precision, speed, and confidence — all at an affordable price.

- Screens for 20 intestinal parasites
- Detects benzimidazole treatment' resistance in hookworms
- Determines the zoonotic potential of *Giardia*

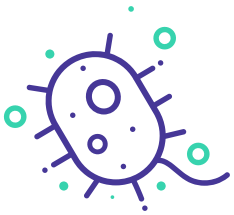
START FINDING MORE GI PARASITES, FASTER, TODAY

antechdiagnostics.com/parasites

Better pet health in one test

Detects

benzimidazole-resistant canine hookworm infections[1-5]



KeyScreen GI Parasite PCR found parasites in

1 in **4**

samples[4]

Reference lab O&P only found parasites in

1 in **10**

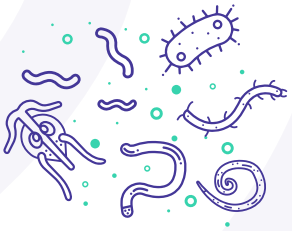
samples[7]

***Giardia* is NOT** typically zoonotic

less than 4% are[4]

Treatment resistant Hookworms

found in more dog breeds and across the US and Canada[1-5]



Parasites are evolving

so is KeyScreen GI Parasite PCR[2, 3, 5, 6]

1. Comparative Study of KeyScreen and traditional fecal flotation methods: https://parasitesandvectors.biomedcentral.com/articles/10.1186/s13071-023-05904-z
2. Leutenegger CM, et al. Emergence of Ancylostoma caninum parasites with the benzimidazole resistance F167Y polymorphism in the US dog population. Int. J. Parasitol. Drugs Drug Resist. 2023;14:131-140. https://www.sciencedirect.com/science/article/pii/S2211320723000015?via%3Dihub
3. Evason, MD, et al. Emergence of canine hookworm treatment resistance: Novel detection of Ancylostoma caninum anthelmintic resistance markers by fecal PCR in 11 dogs from Canada, Am J Vet Res. 2023 July: https://doi.org/10.2460/ajvr.23.05.0116
4. Leutenegger CM, et al. Frequency of intestinal parasites in dogs and cats identified by molecular diagnostics. ACVIM, Philadelphia, June 2023.
5. Leutenegger CM, et al. Association of the novel benzimidazole resistance marker Q134H with F167Y in dogs with Ancylostoma caninum. ACVIM, Philadelphia June 2023.
6. Venkatesan A, et al. Molecular evidence of widespread benzimidazole drug resistance in Ancylostoma caninum from domestic dogs throughout the USA and discovery of a novel β-tubulin benzimidazole resistance mutation. PLoS Pathog. Mar 2023;19:e1011146. https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1011146
7. KeyScreen Whitepaper https://www.antechdiagnostics.com/keyscreen/#keyscreen-whitepaper

ACCUPLEX® WITH C6

Screen for canine vector-borne diseases with confidence

CAC100
page 20

Accuplex, now with C6, tests for Lyme disease, heartworm, *Ehrlichia*, and *Anaplasma*.

- Lyme disease detection with Accuplex includes screening for antibodies to C6, and is in alignment with the 2018 ACVIM consensus statement for Lyme borreliosis.*
- The C6 peptide is only expressed following natural infection or exposure of a host. Therefore, a positive C6 result will not be reported from cross-reactivity with vaccinal antibodies.

EXPERIENCE IT NOW AND MOVE YOUR CANINE VECTOR-BORNE DISEASE SCREENING FROM IN-HOUSE TO OUR HOUSE

antechdiagnostics.com/accuplex

*Meryl P Littman, Bernhard Gerber, Richard E Goldstein, Mary Anna Labato, Michael R Lappin, George E Moore. ACVIM consensus update on Lyme borreliosis in dogs and cats. J Vet Intern Med. 2018 May;32(3):887-903. https://onlinelibrary.wiley.com/doi/full/10.1111/jvim.15085"

WELCOME TO

ANTECH'S DIRECTORY OF SERVICES

Quickly find the test you need, when you need it

- See the Table of Contents to explore all that is available at your fingertips.
- Head to our Test Index (**page 157**) to find the exact location of the test or profile you need.
- Find our frequently used phone numbers in the Support Services section **(page 14**).
- The Quick Reference section (**page 16**) contains all the information you need for scheduling pickups and ordering supplies.

Reference Laboratories Terms of Service

Unless otherwise agreed in an agreement signed by an authorized representative of Antech, all reference laboratory testing and consulting services set out in this directory are governed by our standard terms and conditions, available at **antechdiagnostics.com/terms-service**.

Privacy Policy

As part of Mars Petcare, we are committed to A Better World for Pets™. Antech respects and is committed to protecting your privacy. Please visit **mars.com/privacy** to see a copy of our privacy statement and how we handle the privacy of your data.

NOTE

The tests and services listed in this directory have been organized in a manner determined to be either appropriate medically or for ease of use by veterinary practitioners in the estimation of our medical operations teams. Any headings or groupings of tests or services are for reference purposes only. Additionally, all turnaround times and prices set forth in this directory are subject to change at our sole discretion. Please contact Customer Service at 1-800-341-3440 if you wish to confirm any information in this directory.

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NOTES | FREQUENTLY USED TEST CODES

SUPPORT SERVICES

Customer Service
1-800-341-3440, Dial 0

M – F	5 a.m. – 9 p.m. PST	8 a.m. – Midnight EST
SAT	5 a.m. – 5 p.m. PST	8 a.m. – 8 p.m. EST
SUN	6 a.m. – 3 p.m. PST	9 a.m. – 6 p.m. EST

Dispatch/Specimen Pickup
1-800-341-3440, Dial 1

AUTOMATED	24/7	
M – F	5 a.m. – 9 p.m. PST	8 a.m. – Midnight EST
SAT	5 a.m. – 5 p.m. PST	8 a.m. – 8 p.m. EST
SUN	6 a.m. – 3 p.m. PST	9 a.m. – 6 p.m. EST

Consultation Services
1-800-341-3440, Dial 2

M – F	5 a.m. – 6 p.m. PST	8 a.m. – 9 p.m. EST
SAT	6 a.m. – 3 p.m. PST	9 a.m. – 6 p.m. EST
SUN	CLOSED	

Billing
1-800-341-3440, Dial 3

M – F	6 a.m. – 5 p.m. PST	9 a.m. – 8 p.m. EST
SAT – SUN	CLOSED	

Equine Support
1-800-341-3440, Dial 4

M – F	5 a.m. – 9 p.m. PST	8 a.m. – Midnight EST
SAT	5 a.m. – 5 p.m. PST	8 a.m. – 8 p.m. EST
SUN	6 a.m. – 3 p.m. PST	9 a.m. – 6 p.m. EST

Antech Imaging Services
1-800-341-3440, Dial 5

AUTOMATED	24/7

Website Support
1-800-341-3440, Dial 6
support@antechdiagnostics.com

M – F	6 a.m. – 4 p.m. PST	9 a.m. – 7 p.m. EST
SAT	6 a.m. – Noon PST	9 a.m. – 3 p.m. EST
SUN	CLOSED	

Sound
1-800-819-5538

M – F	8 a.m. – 5 p.m. PST	11 a.m. – 8 p.m. EST
SAT – SUN	CLOSED	

ACCOUNT INFORMATION

ANTECH ACCOUNT NUMBER

HEALTHTRACKS NUMBER

USERNAME

PASSWORD

HealthTracks®

online.antechdiagnostics.com

HealthTracks provides you access to your diagnostic needs in one innovative digital platform. This digital center simplifies your practice's diagnostic workflow, ensuring you have the features you need to provide the best care for your patients.

Elevate your diagnostic experience and explore all the HealthTracks features at **antechdiagnostics.com/healthtracks**

TERRITORY SALES MANAGER

E-MAIL

MOBILE

PROFESSIONAL SERVICES VETERINARIAN

E-MAIL

MOBILE

SOUND EQUIPMENT SPECIALIST

E-MAIL

MOBILE

QUICK REFERENCE

Antech's dedicated Customer Service Team is here to help at **1-800-341-3440**

Completion Codes — Submitting a Sample for Profile Completion

Missing one of the sample types? No problem. If you do not have a necessary sample when submitting a profile, you may submit the omitted sample within 30 days of the original profile submission to complete the profile at no additional charge.

1. Create a new Test Requisition Form using the applicable completion code from the list below
2. On the Test Requisition Form, reference the original profile's 12-character accession number in the notes field
3. Print the Test Requisition Form and submit the sample as normal

Completion codes submitted after 30 days, not related to a prior profile submission, or without reference to the original accession number will be invoiced for the applicable test code.

- CT991NC — KeyScreen® GI Parasite PCR Completion
- CT805NC — Ova and Parasite Completion
- CT808NC — Ova and Parasite with Giardia Completion
- 40510 CUADELAY — Urinalysis Completion

Follow-up and Monitoring Tests

We offer you reduced-charge testing for serial patient monitoring and rechecks. Within 30 days of the original submission, order one of the codes below and include the original profile's 12-character accession number on the Test Requisition Form.

- CRECHECK — Superchem with SDMA, CBC
- CT330R — Complete Blood Count Recheck
- CT760R — Urinalysis Recheck
- CM130R — Urine Culture Recheck

Please note that recheck codes submitted after 30 days, not related to a prior profile submission, or without reference to the original accession number, will be charged the applicable non-recheck test fee.

Add-on Testing

Add-on codes beginning with CADD are for additional diagnostics only and cannot be used at the time of original submission.

Additional add-on guidelines:

- Add-on codes can only be used for samples with existing results
- Add-on codes can only be added to tests already accessioned
- New samples sent to the lab cannot be added to previously resulted accessions
- Add-on codes do not apply to samples with a hold request
- Samples over seven days old cannot use add-on codes
- You cannot upgrade completed profiles with add-on codes
- The sample must be in the lab for the add-on code to be applied

Test Cancellation

Testing that has not begun can be canceled at no charge by calling Customer Service. Testing that is already in process cannot be canceled.

*Histology Note: all samples received for histology will be processed and evaluated. Histology tests may be canceled only prior to sample processing, and all samples in the accession must be canceled.

See the full reference lab terms of service at **antechdiagnostics.com/terms-service-ca**

Specimen Retention Times

CLINICAL SUBMISSIONS	
Whole Blood	7 days
Serum/Plasma	7 days
Urine	7 days
EIA (Coggins): AGID and ELISA	30 days
Hematology – Slides (includes Wright's stained urine smears)	7 days
Hematology – Slides (rechecks and pathology review)	1 year
Microbiology – all specimens	7 days
Microbiology – Slides (gram stain smears)	14 days
PATHOLOGY (CYTOLOGY) SUBMISSIONS	
Biological Specimens	7 days
Slides	90 days
PATHOLOGY (HISTOLOGY) SUBMISSIONS	
Biological Specimens (wet tissue in formalin)	30 days
Blocks	18 months
Slides	180 days

Supplies

Multiple ways to order supplies:

- Online — HealthTracks (preferred): **online.antechdiagnostics.com**
- Phone — **1-800-341-3440**
- Email — **canada.supplies@antechmail.com**

Supplies are typically delivered within 2 – 5 days of ordering.

Test Requisition Forms

Antech offers both electronic and paper test requisition forms (TRFs). Electronic TRFs can be generated directly from your practice management system, or through HealthTracks. Electronic TRFs are the most efficient and convenient way to order diagnostic testing. They have many benefits, including increased data and order integrity and the ability to archive requisitions. Manual TRFs are also available online at **antechdiagnostics.com** and can be ordered through HealthTracks.

CONSULTING SERVICES

Live, expert, and complimentary peer-to-peer medical consultations

Looking for a trusted expert to help you interpret diagnostic results or develop a diagnostic and treatment plan? Antech provides current customers with comprehensive consulting services to assist with diagnostic interpretation, clinical application of results, and general case support. With a world-class team of 60+ board-certified specialists across 12 specialties, Antech is committed to partnerships you can count on.

Request A Consult

Please have your Antech account number and the accession number(s) available for the results you wish to discuss. Immediately connect with the first available Internal Medicine specialist consultant or request a call-back.

1-800-341-3440, Dial 2
online.antechdiagnostics.com

Internal Medicine specialists are available Monday through Saturday

M – F	5 a.m. – 6 p.m. PST	8 a.m. – 9 p.m. EST
SAT	6 a.m. – 3 p.m. PST	9 a.m. – 6 p.m. EST

During business days, all other specialists are available by call back within 24 – 48 hours

Avian and Exotics

Behavior

Cardiology

Dentistry

Dermatology

Equine and Large Animal

Neurology

Nutrition

Oncology

Reproduction

ESSENTIAL PANELS

	SUPERCHEM WITH SDMA CSA010	VET SCREEN WITH SDMA CSA025	ADULT WELLNESS CHEMISTRY WITH SDMA CSA665	PRE-OP SCREEN WITH SDMA CSA040
A/G Ratio	●	●	●	
Albumin	●	●	●	
Alkaline Phosphatase	●	●	●	
ALT (SGPT)	●	●	●	
Amylase	●			
AST (SGOT)	●	●		
BUN	●	●	●	
BUN/Creatinine Ratio	●	●	●	
Calcium	●	●		
Chloride	●	●	●	
Cholesterol	●	●		
CPK	●	●		
Creatinine	●	●	●	
GGT	●			
Globulin	●	●	●	
Glucose	●	●	●	
Magnesium	●			
NA/K Ratio	●	●	●	
Pancreatic Sensitive Lipase (PSL)	●			
Phosphorus	●	●		
Potassium	●	●	●	
SDMA	●	●	●	
Sodium	●	●	●	
Total Bilirubin	●	●		
Total Protein	●	●	●	
Triglycerides	●			

PREVENTATIVE CARE

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAC100	**Accuplex®** This is a canine vector-borne disease screening for heartworm, Lyme disease (includes screening for antibodies against two C6 peptides), *E. canis*, and *A. phagocytophilum*.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CKAC100	**Accuplex®, KeyScreen®** Accuplex® is a canine vector-borne disease screening for Heartworm (Ag), Lyme disease (includes screening for antibodies against two C6 peptides), *E. canis*, and *A. phagocytophilum*. KeyScreen® is a fecal PCR test that detects 20 individual parasite species. If detected, *Toxocara* spp. will be further speciated (*T. cati*, *T. canis*, and *T. leonina*), *Ancyclostoma caninum* will be evaluated for benzimidazole resistance, and *Giardia* evaluated for subtypes A and B. Accuplex® (CAC100) can be reflexed for an additional charge.	**0.5 mL serum and 0.3 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-3 days**
CKA535	**Adult Chem with Lytes, SDMA, CBC, Accuplex®, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Accuplex®, and KeyScreen® Wellness chemistry with electrolytes, SDMA (see CT1035), complete blood count, Accuplex® for vector-borne disease screening (CAC100), and KeyScreen® for intestinal parasite detection (see CT991). Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKA583	**Adult Chem with Lytes, SDMA, CBC, Accuplex®, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Accuplex®, and KeyScreen® Wellness chemistry with electrolytes, SDMA (CT1035), complete blood count, total T4, Accuplex® for vector-borne disease screening (see CAC100), and KeyScreen® for intestinal parasite detection (see CT991). Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS519	**Adult Chem with Lytes, SDMA, CBC, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, Heartworm Antibody, and KeyScreen® Wellness chemistry with electrolytes, SDMA (CT1035), complete blood count, FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991).	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

*SEE ANTECHDIAGNOSTICS.COM/TERMS-SERVICE-CA FOR MORE DETAILS ON TURNAROUND TIMES

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS575	**Adult Chem with Lytes, SDMA, CBC, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, FeLV antigen detection, FIV antibody detection,and KeyScreen® for intestinal parasite detection (see CT991).	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS534	**Adult Chem with Lytes, SDMA, CBC, Heartworm, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen detection, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, heartworm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991).	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS586	**Adult Chem with Lytes, SDMA, CBC, Heartworm, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, Heartworm Antigen, Total T4, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, total T4, heartworm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991).	**1.0 mL serum and 0.3 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-3 days**
CKS535	**Adult Chem with Lytes, SDMA, CBC, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, and KeyScreen® for intestinal parasite detection (see CT991).	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS591	**Adult Chem with Lytes, SDMA, CBC, T4, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, FeLV, FIV, Heartworm Antibody, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, total T4, FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991).	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS597	**Adult Chem with Lytes, SDMA, CBC, T4, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, FeLV, FIV, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, total T4, FeLV antigen detection, FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991).	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS583	**Adult Chem with Lytes, SDMA, CBC, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, and KeyScreen® Wellness chemistry with electrolytes, SDMA, complete blood count, total T4, and KeyScreen® for intestinal parasite detection (see CT991).	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS589	**Adult Chem with Lytes, SDMA, CBC, T4, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, FeLV, FIV and Heartworm Antibody detection, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), total T4, FeLV antigen detection, FIV and heartworm antibody detection, , KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035).	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS619	**Adult Chem with Lytes, SDMA, CBC, T4, UA, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, FeLV, FIV, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), total T4, FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035).	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKA673	**Adult Chem with Lytes, SDMA, CBC, UA, Accuplex®, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, Accuplex®, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), total T4, Accuplex® for vector-borne disease screening (see CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS623	**Adult Chem with Lytes, SDMA, CBC, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, FeLV, FIV, Heartworm Antibody, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), FeLV antigen detection, FIV and heartworm antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035).	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS634	**Adult Chem with Lytes, SDMA, CBC, UA, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, FeLV, FIV, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035).	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS592	**Adult Chem with Lytes, SDMA, CBC, UA, Heartworm, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, Heartworm Antigen, KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia. Lipemia can falsely decrease T4 results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS587	**Adult Chem with Lytes, SDMA, CBC, UA, Heartworm, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, Heartworm Antigen test, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), total T4, heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS053	**Adult Chem with Lytes, SDMA, CBC, UA, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA600	**Adult Chem with SDMA, CBC, Accuplex®, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Accuplex®, and KeyScreen® Wellness chemistry, complete blood count, Accuplex® for canine vector-borne disease screening (see CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKA670	**Adult Chem with SDMA, CBC, Accuplex®, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Accuplex®, and KeyScreen® Wellness chemistry, complete blood count, total T4, Accuplex® for canine vector-borne disease screening (see CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS622	**Adult Chem with SDMA, CBC, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, Heartworm Antibody, and KeyScreen® Wellness chemistry, complete blood count, FeLV antigen detection, FIV and heartworm antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS675	**Adult Chem with SDMA, CBC, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, and KeyScreen® Wellness chemistry, complete blood count, FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS605	**Adult Chem with SDMA, CBC, Heartworm, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, and KeyScreen® Wellness chemistry, complete blood count, heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS685	**Adult Chem with SDMA, CBC, Heartworm, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Heartworm Antigen, and KeyScreen® Wellness chemistry, complete blood count, total T4, heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS600	**Adult Chem with SDMA, CBC, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, and KeyScreen® Wellness chemistry, complete blood count, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS590	**Adult Chem with SDMA, CBC, T4, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, FeLV, FIV, Heartworm Antibody, and KeyScreen® Wellness chemistry, complete blood count, total T4, FeLV antigen detection, FIV and heartworm antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS697	**Adult chem with SDMA, CBC, T4, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, FeLV, FIV, and KeyScreen® Wellness chemistry, complete blood count, total T4, FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS670	**Adult Chem with SDMA, CBC, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, and KeyScreen® Wellness chemistry, complete blood count, total T4, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS588	**Adult Chem with SDMA, CBC, T4, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, FeLV, FIV, Heartworm Antibody, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), total T4, FeLV antigen detection, FIV and heartworm antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS621	**Adult Chem with SDMA, CBC, T4, UA, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, FeLV, FIV, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), total T4, FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS672	**Adult Chem with SDMA, CBC, T4, UA, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), total T4, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA607	**Adult Chem with SDMA, CBC, UA, Accuplex®, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, Accuplex®, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), Accuplex® for canine vector borne disease screening (CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA672	**Adult Chem with SDMA, CBC, UA, Accuplex®, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, Accuplex®, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), total T4, Accuplex® for canine vector-borne disease screening (see CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS624	**Adult Chem with SDMA, CBC, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, FeLV, FIV, Heartworm Antibody, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), FeLV antigen detection, FIV and heartworm antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS631	**Adult Chem with SDMA, CBC, UA, FIV, FeLV, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, FeLV, FIV, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), FeLV antigen detection, FIV antibody detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS625	**Adult Chem with SDMA, CBC, UA, Heartworm, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, Heartworm Antibody, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS687	**Adult Chem with SDMA, CBC, UA, Heartworm, T4, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, Heartworm Antibody, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), total T4, heartworm antigen detection, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). CKS625 to which T4 has been added. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS607	**Adult Chem with SDMA, CBC, UA, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, and KeyScreen® A complete minimum database (chemistry, complete blood count, urinalysis), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS673	**Adult Chem with SDMA, Lytes, CBC, T4, UA, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, T4, Urinalysis, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), total T4, KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035).	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA053	**Adult Chem with SDMA, Lytes, CBC, UA, Accuplex®, KeyScreen®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, Accuplex®, and KeyScreen® A complete minimum database (chemistry with electrolytes, complete blood count, urinalysis), Accuplex® for vector-borne disease screening (see CAC100), KeyScreen® for intestinal parasite detection (see CT991), and SDMA for glomerular filtration rate estimation (see CT1035). Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA705	**Senior Profile 1 with SDMA, Accuplex®, KeyScreen®** Superchem with SDMA, CBC, T4, Urinalysis, Accuplex®, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, Accuplex® for canine vector-borne disease screening (see CAC100), and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS710	**Senior Profile 1 with SDMA, Heartworm, KeyScreen®** Superchem with SDMA, CBC, T4, Urinalysis, Heartworm Antigen, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), total T4, heart worm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS705	**Senior Profile 1 with SDMA, KeyScreen®** Superchem with SDMA, CBC, T4, Urinalysis, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKA020	**Superchem with SDMA, CBC, Accuplex®, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, Accuplex® for canine vector-borne disease screening (see CAC100), and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKA114	**Superchem with SDMA, CBC, Accuplex®, T4, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, total T4, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS737	**Superchem with SDMA, CBC, Feline Heartworm, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, FeLV, FIV, Heartworm Antibody, and KeyScreen® Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS490	**Superchem with SDMA, CBC, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, FeLV, FIV, and KeyScreen® Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, FeLV antigen and FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS028	**Superchem with SDMA, CBC, Heartworm, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, heartworm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS110	**Superchem with SDMA, CBC, Heartworm, T4, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, total T4, heartworm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS020	**Superchem with SDMA, CBC, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS724	**Superchem with SDMA, CBC, T4, Feline Heartworm, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, T4, FeLV, FIV, Heartworm Antibody (Feline) and KeyScreen® Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, total T4, FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS220	**Superchem with SDMA, CBC, T4, FIV, FeLV, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, total T4, FeLV antigen and FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS120	**Superchem with SDMA, CBC, T4, KeyScreen®** Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, total T4, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-3 days**
CKS715	**Superchem with SDMA, CBC, T4, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, T4, Urinalysis, FeLV, FIV, Heartworm Antibody (Feline), and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), total T4, FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS700	**Superchem with SDMA, CBC, T4, UA, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, T4, Urinalysis, FeLV, FIV, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), total T4, FeLV antigen and FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKA021	**Superchem with SDMA, CBC, UA, Accuplex®, KeyScreen®** Superchem with SDMA, CBC, Urinalysis, Accuplex®, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), and KeyScreen® for intestinal parasite detection (see CT991). Accuplex® for canine vector-borne disease screening (see CAC100) can be reflexed on request. Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS494	**Superchem with SDMA, CBC, UA, Feline Heartworm, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, Urinalysis, FeLV, FIV, Heartworm Antibody, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), FeLV antigen detection, FIV and heartworm antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.25 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS702	**Superchem with SDMA, CBC, UA, FIV, FeLV, KeyScreen®** Superchem with SDMA, CBC, Urinalysis, FeLV, FIV, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), FeLV antigen and FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CKS112	**Superchem with SDMA, CBC, UA, Heartworm, KeyScreen®** Superchem with SDMA, CBC, Urinalysis, Heartworm Antigen, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), heartworm antigen detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS021	**Superchem with SDMA, CBC, UA, KeyScreen®** Superchem with SDMA, CBC, Urinalysis, and KeyScreen® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis) and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 0.3 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-3 days**
CKS260	**FeLV, FIV, KeyScreen®** FeLV antigen detection, FIV antibody detection, and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.5 mL serum and 0.3 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-3 days**
CKT615	**Heartworm, KeyScreen®** Heartworm Antigen and KeyScreen® Heartworm antigen detection and KeyScreen® for intestinal parasite detection (see CT991). Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 0.3 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-3 days**

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CBC CHEMISTRY PROFILES

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA600	**Adult Wellness with SDMA (No Heartworm)** Wellness Chemistry with Electrolytes and SDMA, CBC A comprehensive chemistry panel, complete blood count, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily**
CAC655	**Adult Wellness with SDMA, Fecal Combo with Accuplex®** Wellness Chemistry with Electrolytes and SDMA, CBC, Fecal O&P with Centrifugation, *Giardia*, Accuplex® A comprehensive chemistry, complete blood count, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Accuplex® (CAC100). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA615	**Adult Wellness with SDMA, Fecal O&P** Wellness Chemistry with Electrolytes and SDMA, CBC, Fecal O&P with Centrifugation A comprehensive chemistry panel, complete blood count, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 5 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA655	**Adult Wellness with SDMA, Fecal Combo** Wellness Chemistry with Electrolytes and SDMA, CBC, Fecal O&P with Centrifugation, *Giardia* A comprehensive chemistry, complete blood count, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA682	**Adult Wellness with SDMA, FeLV, FIV, O&P** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, O&P with Centrifugation A comprehensive chemistry, complete blood count, FeLV antigen detection, FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 5 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA684	**Adult Wellness with SDMA, FeLV, FIV, O&P, *Giardia*** Wellness Chemistry with Electrolytes and SDMA, CBC, FeLV, FIV, O&P with Centrifugation, *Giardia* A comprehensive chemistry, complete blood count, FeLV antigen detection, FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA651	**Adult Wellness with SDMA, Heartworm, UA, O&P, *Giardia*** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Fecal O&P with Centrifugation, *Giardia*, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), heartworm antigen detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA647	**Adult Wellness with SDMA, O&P, UA** Wellness Chemistry with Electrolytes and SDMA, CBC, Fecal O&P with Centrifugation, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA670	**Adult Wellness with SDMA, T4** Wellness Chemistry with Electrolytes and SDMA, CBC, Total T4 A comprehensive chemistry, complete blood count, total T4, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** **Performed every shift**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA672	**Adult Wellness with SDMA, T4, UA** Wellness Chemistry with Electrolytes and SDMA, CBC, Total T4, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), total T4, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** **Performed every shift**
CAC607	**Adult Wellness with SDMA, UA, Accuplex®** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis, Accuplex® A comprehensive minimum database (wellness chemistry, complete blood count, and urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), and Accuplex® for canine vector borne disease screening (CAC100). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA649	**Adult Wellness with SDMA, UA, O&P, *Giardia*** Wellness Chemistry with Electrolytes and SDMA, CBC, O&P with Centrifugation, *Giardia*, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CAC651	**Adult Wellness with SDMA, UA, O&P, *Giardia*, Accuplex®** Wellness Chemistry with Electrolytes and SDMA, CBC, Fecal O&P with Centrifugation, *Giardia*, Urinalysis, Accuplex® A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), Accuplex® for canine vector borne disease screening (CAC100), SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA607	**Adult Wellness with SDMA, Urinalysis** Wellness Chemistry with Electrolytes and SDMA, CBC, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis) and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** **Performed every shift**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA710	**Basic Wellness Screen with SDMA** Superchem with SDMA, CBC, Total T4, Urinalysis, and Heartworm Antigen The most comprehensive minimum database, total T4, heartworm antigen detection, and SDMA for glomerular filtration rate estimation (see T1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA625	**Canine Adult Wellness with SDMA, Urinalysis** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), heartworm antigen detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA650	**Canine Adult Wellness with SDMA, Heartworm, Fecal Combo** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Fecal O&P with Centrifugation, *Giardia* A comprehensive chemistry, complete blood count, heartworm antigen detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA620	**Canine Adult Wellness with SDMA, Heartworm, *Ehrlichia* & Lyme IgG** Wellness Chemistry with Electrolytes and SDMA, CBC, *Ehrlichia canis*, Heartworm Antigen, Lyme Titer IgG A comprehensive chemistry panel, a complete blood count, SDMA for glomerular filtration rate estimation (see CT1035) and evaluation for vector borne disease exposure (*Ehrlichia canis*, Dirofilaria immitis, and *Borrelia burgdorferi* antibody detection). Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA635	**Canine Adult Wellness with SDMA, Heartworm, Ova & Parasite** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Fecal O&P with Centrifugation A comprehensive chemistry, complete blood count, heartworm antigen detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 5 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA685	**Canine Adult Wellness with SDMA, T4** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Total T4 A comprehensive chemistry, complete blood count, total T4, heartworm antigen detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA680	**Canine Adult Wellness with SDMA, UA, O&P** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen, Fecal O&P with Centrifugation, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), heartworm antigen detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA645	**Canine Adult Wellness with SDMA, UA, O&P, Vaccine Titer** Wellness Chemistry with Electrolytes and SDMA, CBC, O&P with Centrifugation, Distemper/Parvo Vaccine Titer, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count and urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805) and Distemper/ Parvovirus vaccine titer assessment. Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-4 days**
CSA765	**Canine Senior Profile with SDMA, Fecal Combo** Superchem with SDMA, CBC, Total T4, Urinalysis, Heartworm Antigen, Fecal O&P with Centrifugation, *Giardia* The most comprehensive minimum databsase (superchemistry, complete blood count, and urinalysis), total T4, heartworm antigen detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA605	**Canine Wellness Profile with SDMA** Wellness Chemistry with Electrolytes and SDMA, CBC, Heartworm Antigen A comprehensive chemistry panel, a complete blood count, heartworm antigen detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA220	**Cat Scan Plus with SDMA** Superchem with SDMA, CBC, Total T4, FeLV, and FIV The most comprehensive chemistry, complete blood count, total T4, FeLV antigen detection, FIV antibody detection and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA230	**Cat Scan with SDMA** Superchem with SDMA, CBC, T4, and FeLV The most comprehensive chemistry, complete blood count, total T4, FeLV antigen detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA800	**Diabetes Monitoring Panel with SDMA** CBC, Urinalysis, Fructosamine Assay, Chemistry panel: Total Protein, ALT (SGPT), Alk Phos, Total Bilirubin, BUN, Creatinine, Glucose, Sodium, Potassium, Chloride, PSL, and SDMA A minimum database (chemistry, complete blood count, urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), and fructosamine. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA610	**Feline Adult Wellness Profile with SDMA** Wellness Chemistry with Electrolytes and SDMA, CBC, Feline Heartworm Antibody A comprehensive chemistry panel, a complete blood count, heartworm antibody detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA630	**Feline Adult Wellness with SDMA, Urinalysis** Wellness Chemistry with Electrolytes and SDMA, CBC, Feline Heartworm Antibody, Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, urinalysis), heartworm antibody detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA622	**Feline Adult Wellness with SDMA, FeLV, FIV** Wellness Chemistry with Electrolytes and SDMA, CBC, Feline Heartworm Antibody, FeLV, FIV A comprehensive chemistry panel, a complete blood count, FeLV antigen detection, FIV and heartworm antibody detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA660	**Feline Adult Wellness with SDMA, Heartworm, Fecal Combo** Wellness Chemistry with Electrolytes and SDMA, CBC, Feline Heartworm Antibody, O&P with Centrifugation, *Giardia* A comprehensive chemistry, complete blood count, heartworm antibody detection, SDMA for glomerular filtration rate estimation (see CT1035) and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (CT808). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-4 days**
CSA640	**Feline Adult Wellness with SDMA, UA, O&P, Panleukopenia** Wellness Chemistry with Electrolytes and SDMA, CBC, O&P with Centrifugation, Panleukopenia Vaccine Titer (Feline Only), Urinalysis A comprehensive minimum database (wellness chemistry, complete blood count, and urinalysis), SDMA for glomerular filtration rate estimation (see CT1035), feline panleukopenia vaccinal titer, and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis and lipemia.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-4 days**
CSA205	**Feline Comprehensive Plus with SDMA, FT4ED** Superchem with SDMA, CBC, T3, T4, Free T4 by ED, FeLV, FIV, FCV Most comprehensive chemistry panel, a complete blood count, thyroid panel (T3, T4, FT4 ED), FeLV antigen detection, FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), and feline coronavirus titer. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA210	**Feline Comprehensive with SDMA** Superchem with SDMA, CBC, FeLV, FIV, FCV, *Toxoplasma* Ab - IgG/IgM Most comprehensive chemistry panel, a complete blood count, FeLV antigen detection, FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), feline coronavirus titer, and *Toxoplasma* titer (IgM and IgG). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA715	**Feline Comprehensive Wellness Screen with SDMA** Superchem with SDMA, CBC, Total T4, Urinalysis, FeLV, FIV, Feline Heartworm Antibody The most comprehensive minimum database (superchemistry, complete blood count, urinalysis), total T4, FeLV antigen detection, FIV and heartworm antibody detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-4 days**
CSA240	**Feline Heartworm Program Plus** Miniscreen 4 Chemistry with Electrolytes, CBC, Heartworm Antigen, Feline Heartworm Antibody A small chemistry panel (TP, ALT, BUN, and glucose), a complete blood count, heartworm antibody and heartworm antigen detection. Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA190	**Feline Total Health Check with SDMA** Superchem with SDMA, CBC, T4, FIV, FeLV, FCV, *Toxoplasma* Ab - IgG/IgM Most comprehensive chemistry panel, a complete blood count, total T4, FeLV antigen and FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), feline coronavirus and *Toxoplasma* titer (IgM and IgG). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA786	**Feline Total Health Check with SDMA, UA** Superchem with SDMA, CBC, T4, Urinalysis, FeLV, FIV, FCV, *Toxoplasma* Ab - IgG/IgM The most comprehensive minimum database (superchemistry, complete blood count, and urinalysis), total T4, FeLV antigen and FIV antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), feline coronavirus and *Toxoplasma* titer (IgM and IgG). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-4 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA180	**Feline Total Health Plus with SDMA** Superchem with SDMA, CBC, T4, FIV, Feline Heartworm Antibody, FeLV, FCV, *Toxoplasma* Ab - IgG/IgM Most comprehensive chemistry panel, a complete blood count, total T4, FeLV antigen detection, FIV and heartworm antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), feline coronavirus and *Toxoplasma* titer (IgM and IgG). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA700	**Feline Wellness Profile with SDMA** Superchem with SDMA, CBC, T4, Urinalysis, FeLV, FIV The most comprehensive minimum database (superchemistry, complete blood count, and urinalysis), total T4, FeLV antigen and FIV antibody detection, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA683	**Feline Wellness with SDMA, FeLV, FIV, O&P** Wellness Chemistry with Electrolytes and SDMA, CBC, Feline Heartworm Antibody, FeLV, FIV, O&P with Centrifugation A comprehensive chemistry panel, a complete blood count, FeLV antigen detection, FIV and heartworm antibody detection, SDMA for glomerular filtration rate estimation (see CT1035), and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (CT805). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 5 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-4 days**
CSA705	**General Senior Profile with SDMA** Superchem with SDMA, CBC, Total T4, Urinalysis The most comprehensive minimum database , total T4, and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA440	**Hyperthyroid Monitoring Profile with SDMA** NSAID Chemistries AST (SGOT), ALT (SGPT), Alk Phos, BUN, Creatinine, Sodium, Potassium, Chloride, CBC, T4 A useful panel to evaluate the response to methimazole after a full minimum database has been run to make the initial diagnosis of hyperthyroidism. Includes an abbreviated chemistry (crea, BUN, AST, ALT, ALP), complete blood count, total T4, and SDMA. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA805	**Hyperthyroid Panel with SDMA** CBC, T4, NSAID Chemistries with GGT AST (SGOT), ALT (SGPT), Alk Phos, BUN, Creatinine, Sodium, Potassium, Chloride, GGT A useful panel to evaluate the response to methimazole after a full minimum database has been run to make the initial diagnosis of hyperthyroidism. Includes an abbreviated chemistry (crea, BUN, AST, ALT, ALP and GGT), complete blood count, total T4, and SDMA. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA320	**Liver Profile** Liver Chemistry with Electrolytes, Complete Blood Count, Bile Acids (Pre and Post) A comprehensive liver panel (CSA324), complete blood count and pre/post bile acids (CT220).	**0.5 mL serum for resting and post-prandial samples (fasted sample labeled Pre and 2-hour post sample labeled Post) and 1.0 mL EDTA whole blood** 2 serum in red top or serum separator (pre and post), lavender top	**1-2 days**
CSA070	**Miniscreen 4 Chem, CBC** Miniscreen 4 Chemistries with Electrolytes (Total Protein, ALT (SGPT), BUN, Sodium, Potassium, Chloride, Glucose) and CBC Miniscreen chemistry (TP, ALT, BUN and glucose) and a complete blood count.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA810	**NSAID 1 with SDMA** Chemistry Panel with Electrolytes (Total Protein, ALT (SGPT), Alkaline Phosphatase, Total Bilirubin, BUN, Creatinine, Sodium, Potassium, Chloride) with SDMA, CBC, Urinalysis A minimum database (chemistry with SDMA (CSA804), complete blood count and urinalysis) limited to renal and liver values used to monitor a patient on NSAID therapy. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA815	**NSAID 2 with SDMA** Chemistry Panel with Electrolytes (Total Protein, ALT (SGPT), Alkaline Phosphatase, Total Bilirubin, BUN, Creatinine, Sodium, Potassium, Chloride) with SDMA, CBC, Urinalysis, Bile Acids A minimum database (chemistry with SDMA (CSA804), complete blood count and urinalysis) and a single bile acids test. Interferences: marked hemolysis and lipemia. Ursodeoxycholic acid may be detected by bile acid assay causing falsely elevated values.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA820	**NSAID 3 with SDMA** Chemistry Panel with Electrolytes(Total Protein, ALT (SGPT), Alkaline Phosphatase, Total Bilirubin, BUN, Creatinine Sodium, Potassium, Chloride) with SDMA, CBC, Urinalysis, Urine Bile Acid: Creatinine Ratio A minimum database (chemistry with SDMA (CSA804), complete blood count and urinalysis) and a urine bile acid: creatinine ratio (CT227). Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA516	**Pre-Op Chem with Electrolytes, SDMA, CBC** Pre-Op Chemistries with Electrolytes and SDMA, CBC A smaller chemistry profile which includes electrolytes and SDMA (CSA043) and a complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA053	**Pre-Op Chem with Electrolytes, SDMA, CBC, Urinalysis** Pre-Op Chemistries with Electrolytes and SDMA, CBC, Urinalysis A minimum database that includes a smaller chemistry with SDMA (CSA043), a complete blood count and urinalysis. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA050	**Pre-Op Panel Plus with SDMA** Pre-Op Screen with Electrolytes and SDMA, CBC, PT, and aPTT A smaller chemistry profile with SDMA (CSA040), a complete blood count, prothrombin time, and partial thromboplastin time. Interferences: marked hemolysis and lipemia. Ensure that the submission of a blue top tube that has been appropriately filled to the designated mark.	**0.5 mL serum, 1.0 mL EDTA whole blood and 0.5 mL of citrated plasma** Serum in red top or serum separator tube, lavender top, citrated plasma (or blue top)	**Daily** Performed each shift
CSA512	**Pre-Op Panel Plus with SDMA, Heartworm** Pre-Op Screen with Electrolytes and SDMA, CBC, PT, aPTT, Heartworm Antigen A smaller chemistry profile with SDMA (CSA040), complete blood count, heartworm antigen detection, and prothrombin time and partial thromboplastin time. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood and 0.5 mL of citrated plasma** Serum in red top or serum separator tube, lavender top, citrated plasma (or blue top)	**1-2 days**
CSA920	**Pre-Op Panel with SDMA, T4, UA** Pre-Op Screen with Electrolytes and SDMA, CBC, T4, Urinalysis A minimum database including a smaller chemistry profile (CSA040), a complete blood count, urinalysis and a T4. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift

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CSA510	**Pre-Op Screen with SDMA, CBC, PT, PTT, FeLV, FIV** Pre-Op Screen with Electrolytes and SDMA, CBC, PT, PTT, FIV, and FeLV A smaller chemistry profile with SDMA (CSA040), complete blood count, FeLV antigen and FIV antibody detection, prothrombin and partial thromboplastin time. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood and 0.5 mL of citrated plasma** Serum in red top or serum separator tube, lavender top, citrated plasma (or blue top)	**1-2 days**
CSA514	**Pre-Op Screen with SDMA, CBC, T4, FeLV, FIV** Pre-Op Screen with Electrolytes and SDMA, CBC, T4, FIV,and FeLV CSA508 to which FeLV antigen and FIV antibody detection has been added. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA055	**Pre-Op Screen with SDMA, CBC** Pre-Op Screen with Electrolytes and SDMA and CBC A smaller chemistry profile with SDMA (CSA040) and a complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA056	**Pre-Op Screen with SDMA, CBC, Heartworm** Pre-Op Screen with Electrolytes and SDMA, CBC, and Heartworm A smaller chemistry panel with SDMA (CSA040), a complete blood count and heartworm antigen detection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA052	**Pre-Op Screen with SDMA, CBC, Urinalysis** Pre-Op Screen with Electrolytes and SDMA, CBC, and Urinalysis A minimum database including smaller chemistry profile with SDMA (CSA040), a complete blood count, and urinalysis. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CAC055	**Pre-Op with SDMA, CBC with Accuplex®** Pre-Op Screen with Electrolytes and SDMA, CBC, Accuplex® A smaller chemistry panel with SDMA (CSA040), a complete blood count, and Accuplex®. Interferences: marked hemolysis and lipemia. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**

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CSA051	**Pre-Op with SDMA, CBC, FeLV, FIV** Pre-Op Screen with Electrolytes and SDMA, CBC, FIV, FeLV A smaller chemistry panel with SDMA (CSA040), a complete blood count, FeLV antigen and FIV antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA508	**Pre-Op with SDMA, CBC, T4** Pre-Op Screen with Electrolytes and SDMA, CBC, Total T4 A smaller chemistry profile with SDMA (CSA040), a complete blood count, and a total T4. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA310	**Renal Profile with SDMA** Chemistry Renal Profile with Electrolytes and SDMA, CBC, and Urinalysis A minimum database including a chemistry profile with SDMA (CT7008), complete blood count and urinalysis. Interferences: marked hemolysis or lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA111	**Superchem with SDMA, CBC, Heartworm, T4 Free by Immulite** Superchem with SDMA, CBC, T4 (Free) by Immulite, Heartworm Antigen Most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, T4 (Free) run by Immulite, and heartworm antigen detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA080	**Senior Comprehensive Plus with SDMA** Superchem with SDMA, CBC, Total T4, Free T4 by ED, and TSH The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, and thryoid panel (T4, FT4 ED, and TSH). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-6 days**

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CSA090	**Senior Comprehensive Profile with SDMA** Superchem with SDMA, CBC, Total T4, and Free T4 by ED The most comprehensive chemistry panel with SDMA (SA010), a complete blood count, and thyroid panel (T4 and FT4 ED). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-6 days**
CSA105	**Senior Comprehensive with SDMA, T3** Superchem with SDMA, CBC, T3, Total T4, Free T4 by ED The most comprehensive chemistry panel with SDMA (SA010), a complete blood count, and thryoid panel (T3, T4, and FT4 ED). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-6 days**
CSA740	**Senior Feline Plus with SDMA** Superchem with SDMA, CBC, T4, Urinalysis, FeLV, FIV, O&P with Centrifugation The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, FeLV antigen and FIV antibody detection, and fecal analysis using zinc sulfate centrifugation/flotation for ova and parasite detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA566	**Senior Profile 1 with SDMA, UMIC** Superchem with SDMA, CBC, Total T4, Urinalysis, Urine Culture The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and urine culture. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 7.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-4 days**

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CAC705	**Senior Profile 1 with SDMA, Accuplex®** Superchem with SDMA, CBC, Total T4, Urinalysis, Accuplex® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and Accuplex® (canine vector-borne disease screening for heartworm, Lyme disease (includes screening for antibodies against two C6 peptides), *E. canis* and *A. phagocytophilum*). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CAC770	**Senior Profile 1 with SDMA, Fecal Combo, Accuplex®** Superchem with SDMA, CBC, Total T4, Urinalysis, Fecal O&P with Centrifugation, *Giardia*, Accuplex® The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection. This profile allows a reflex Accuplex® for canine vector borne disease screening at a nominal fee. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA770	**Senior Profile 1 with SDMA, Fecal Combo** Superchem with SDMA, CBC, Total T4, Urinalysis, Fecal O&P with Centrifugation, *Giardia* The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA745	**Senior Profile 1 with SDMA, Heartworm, Ova & Parasite** Superchem with SDMA, CBC, Total T4, Urinalysis, Heartworm Antigen, Fecal O&P with Centrifugation The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, heartworm antigen detection and fecal analysis using zinc sulfate centrifugation/flotation for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**

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CSA750	**Senior Profile 1 with SDMA, Ova & Parasite** Superchem with SDMA, CBC, Total T4, Urinalysis, Fecal O&P with Centrifugation The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and fecal analysis using zinc sulfate centrifugation/ flotation for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA730	**Senior Profile 1 with SDMA, Vaccine Titers** Superchem with SDMA, CBC, T4, Urinalysis, Distemper/Parvo Vaccinal Titer The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, and Distemper/Parvovirus vaccine titer. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-4 days**
CSA780	**Senior Profile 2 with SDMA, FeLV, FIV** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, FIV, and FeLV The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), FeLV antigen and FIV antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-6 days**
CSA720	**Senior Profile 2 with SDMA** Superchem with SDMA, CBC, Total T4, Urinalysis, and Free T4 by ED The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis) and a thyroid panel (T4 and FT4 ED). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-6 days**

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CSA775	**Senior Profile 2 with SDMA, Fecal Combo** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, and O&P with Centrifugation, *Giardia* The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-6 days**
CSA790	**Senior Profile 2 with SDMA, Feline Heartworm Ab, O&P** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, O&P with Centrifugation, and Feline Heartworm Antibody The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), heartworm antibody detection, and fecal analysis using zinc sulfate centrifugation/flotation for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Antech provided fecal container, lavender top, red top, urine transport tube	**1-6 days**
CSA755	**Senior Profile 2 with SDMA, Ova & Parasite** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, and O&P with Centrifugation The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), and fecal analysis using zinc sulfate centrifugation/flotation for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-6 days**
CSA746	**Senior Profile 2 with SDMA, UMIC** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, and Urine Culture The most comprehensive minimum database (superchemistry with SDMA (SA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), and urine culture. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 7.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-6 days**

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CSA760	**Senior Profile 2 with SDMA, Vaccine Titers** Superchem with SDMA, CBC, T4, Urinalysis, Free T4 by ED, and Distemper/Parvo Vaccinal Titer The most comprehensive minimum database (superchemistry with SDMA (SA010), complete blood count and urinalysis), a thyroid panel (T4 and FT4 ED), and Distemper/Parvovirus vaccine titer. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-6 days**
CSA768	**Senior Profile with SDMA, Feline Heartworm Ab, Fecal Combo** Superchem with SDMA, CBC, T4, Urinalysis, Feline Heartworm Antibody, and O&P with Centrifugation, *Giardia* The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis), a total T4, heartworm antibody detection, and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-4 days**
CSA955	**Superchem with SDMA, CBC, O&P, *Giardia*** Superchem with SDMA, CBC, O&P with Centrifugation, *Giardia* Most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA (CT808) for ova and parasite detection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA020	**Superchem with SDMA, CBC** The most comprehensive chemistry with SDMA (CSA010) combined with a complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CRECHECK	**Superchem with SDMA, CBC Recheck Panel** This is a follow up submission to a previously submitted CSA020 that consists of the most comprehensive chemistry with SDMA and a complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA460	**Superchem with SDMA, CBC, Feline Serology 1** Superchem with SDMA, CBC, FeLV, FIV Antibody, and FCV Titer The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, FeLV antigen and FIV antibody detection, and a feline coronavirus titer. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA490	**Superchem with SDMA, CBC, FeLV, FIV** Superchem with SDMA, CBC, FeLV, and FIV Antibody The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, FeLV antigen and FIV antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA500	**Superchem with SDMA, CBC, Lyme** Superchem with SDMA, CBC, and Lyme Titer IgG The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, and Lyme IgG titer. Interferences: marked hemolysis and lipemia.	**0.75 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA450	**Superchem with SDMA, CBC, Special Thyroid Profile** Superchem with SDMA, CBC, T3, T4, Free T4 by ED, TSH, Thyroglobulin Auto Antibody (Canine Only) The most comprehensive chemistry profile (superchemistry with SDMA (CSA010)), a complete blood count, and thyroid panel (T3, T4, FT4 ED, TSH and thyroglobulin autoantibody (TGAA)). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-6 days**
CSA021	**Superchem with SDMA, CBC, UA** Superchem with SDMA, CBC, Urinalysis The most comprehensive minimum database (superchemistry with SDMA (CSA010), complete blood count and urinalysis). Interferences: marked hemolysis and lipemia (serum and whole blood).	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA110	**Total Body Function Plus with SDMA** Superchem with SDMA, CBC, T4, and Heartworm Antigen The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, a total T4, and heartworm antigen detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA788	**Total Body Function Plus with SDMA, O&P, *Giardia*** Superchem with SDMA, CBC, T4, Heartworm Antigen and O&P with Centrifugation and *Giardia* The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, total T4, heartworm antigen detection and fecal analysis using zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA (CT808) for ova and parasite detection. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6 grams feces** Serum in red top or serum separator tube, lavender top, Antech provided fecal container	**1-2 days**
CSA120	**Total Body Function with SDMA** Superchem with SDMA, CBC, and Total T4 The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, and a total T4. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CAC120	**Total Body Function with SDMA, Accuplex®** Superchem with SDMA, CBC, T4, and Accuplex® The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, total T4, and reflex Accuplex® for canine vector borne disease screening. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA724	**Total Body Function with SDMA, FeLV, FIV, Feline Heartworm Ab** Superchem with SDMA, CBC, T4, FIV, FeLV, Feline Heartworm Antibody The most comprehensive chemistry panel with SDMA (CSA010), a completely blood count, a total T4, FeLV antigen detection, FIV antibody and heartworm antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CSA120B	**Total Body Function with SDMA, T4 Immulite** Superchem with SDMA, CBC, T4 (Free) by Immulite The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, and T4 (Free) run by Immulite (CT499). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAC120B	**Total Body Function with SDMA, T4 Immulite, Accuplex®** Superchem with SDMA, CBC, T4 (Free) by Immulite, and Accuplex® The most comprehensive chemistry panel with SDMA (CSA010), a complete blood count, T4 (Free) run by Immulite (CT499) and Accuplex® (CAC100). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Accuplex® (CAC100) can be reflexed for an additional charge.	**1.25 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA026	**Vet Screen 2 with SDMA** Total Protein, Albumin, Globulin, Albumin/Globulin Ratio, AST (SGOT), ALT (SGPT), Alkaline Phosphatase, Total Bilirubin, BUN, Creatinine, BUN/Creatinine Ratio, Phosphorous, Glucose, Calcium, Sodium, Potassium, Chloride, Cholesterol, Amylase, CPK, and SDMA A comprehensive chemistry profile with SDMA (CSA025) to which amylase evaluation has been added. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CSA035	**Vet Screen 2 with SDMA, CBC** Vet Screen 2 with SDMA and Amylase, and CBC A comprehensive chemistry panel with SDMA (CSA026) and complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA025	**Vet Screen with SDMA** Total Protein, Albumin, Globulin, Albumin/Globulin Ratio, AST (SGOT), ALT (SGPT), Alkaline Phosphatase, GGT, Total Bilirubin, BUN, Creatinine, BUN/Creatinine Ratio, Phosphorous, Glucose, Calcium, Sodium, Potassium, Sodium/Potassium Ratio, Chloride, Cholesterol, CPK, and SDMA A comprehensive chemistry profile with SDMA. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CSA914	**Vet Screen with SDMA, CBC, FeLV, FIV, FIP** Vet Screen with SDMA, CBC, FeLV, FCV, and FIV A comprehensive profile with SDMA (CSA025), a complete blood count, FeLV antigen and FIV antibody detection, and feline coronavirus titer. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA908	**Vet Screen with SDMA, CBC, FeLV, FIV, FIP, T4** Vet Screen with SDMA, CBC, FeLV, FCV, FIV, and T4 A comprehensive profile with SDMA (CSA025), a complete blood count, total T4, FeLV antigen and FIV antibody detection, and feline coronavirus titer. OR CSA914 to which a total T4 has been added. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-3 days**
CSA910	**Vet Screen with SDMA, CBC, FeLV, FIV, T4** Vet Screen with SDMA, CBC, FeLV, FIV, and T4 A comprehensive profile with SDMA (CSA025), a complete blood count, total T4, FeLV antigen and FIV antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA906	**Vet Screen with SDMA, CBC, FeLV, FIV, UA** Vet Screen with SDMA, CBC, FeLV, FIV, and Urinalysis A complete minimum database (comprehensive chemistry with SDMA (CSA025), complete blood count, and urinalysis), FeLV antigen and FIV antibody detection. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**
CSA912	**Vet Screen with SDMA, CBC, T4, FT4ED** Vet Screen with SDMA, T4, CBC, Free T4 by ED A comprehensive chemistry with SDMA (CSA025), a complete blood count, and a thyroid profile (total T4 and FT4 ED). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-6 days**
CSA904	**Vet Screen with SDMA, CBC, UA, O&P, Heartworm** Vet Screen with SDMA, CBC, Urinalysis, O&P with Centrifugation, Heartworm Antigen A complete minimum database (comprehensive chemistry with SDMA (CSA025), complete blood count, and urinalysis), heartworm antigen detection and fecal analysis using zinc sulfate centrifugation/flotation (CT805) for ova and parasite detection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 5 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA030	**Vet Screen with SDMA, CBC** A comprehensive chemistry profile with SDMA (CSA025) and a complete blood count. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CRECHECK2	**Vet Screen with SDMA, CBC Recheck Panel** Vet Screen with SDMA, CBC This is a comprehensive chemistry with SDMA (CSA025) and complete blood count submitted within 30 days of a previous accession to assess/monitor trends in values. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Lavender top, serum in red top or serum separator	**Daily** Performed each shift
CSA039	**Vet Screen with SDMA, CBC, Heartworm Ag** Vet Screen with SDMA, CBC, Heartworm Antigen A comprehensive chemistry profile with SDMA (CSA025), a complete blood count, and heartworm antigen detection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA034	**Vet Screen with SDMA, CBC, T4** Vet Screen with SDMA, CBC, Total T4 A comprehensive chemistry profile with SDMA (CSA025), complete blood count, and a total T4. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**Daily** Performed each shift
CSA032	**Vet Screen with SDMA, CBC, T4 (Free)** Vet Screen with SDMA, CBC, T4 (Free) by Immulite A comprehensive chemistry with SDMA (CSA025), a complete blood count and T4 (Free) by Immulite. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Lavender top tube, serum separator	**1-2 days**
CSA038	**Vet Screen with SDMA, CBC, T4 (Free), UA** Vet Screen with SDMA, CBC, T4 (Free) by Immulite, Urinalysis A complete minimum database (comprehensive chemistry with SDMA (CSA025), complete blood count and urinalysis) and a T4 (Free) by Immulite. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA530	**Vet Screen with SDMA, CBC, T4, Heartworm** Vet Screen with SDMA, CBC, Heartworm Antigen, T4 A comprehensive chemistry panel with SDMA (CSA025), complete blood count, heartworm antigen detection, and total T4 assessment. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-2 days**
CSA036	**Vet Screen with SDMA, CBC, UA** Vet Screen with SDMA, CBC, Urinalysis A complete minimum database including a comprehensive chemistry profile with SDMA (CSA025), a complete blood count, and urinalysis. Interferences: marked hemolysis and lipemia (serum and whole blood).	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift
CSA922	**Vet Screen with SDMA, CBC, UA, O&P, *Giardia*** Vet Screen with SDMA, CBC, Urinalysis, O&P with Centrifugation, *Giardia*	**0.5 mL serum, 1.0 mL EDTA whole blood, 6.0 mL urine, and 6 grams feces** Serum in red top or serum separator tube, lavender top, urine transport tube, Antech provided fecal container	**1-2 days**
CSA037	**Vet Screen with SDMA, CBC, UA, T4** Vet Screen with SDMA, CBC, Total T4, Urinalysis A complete minimum database (comprehensive chemistry profile with SDMA (CSA025), a complete blood count, and urinalysis) and a total T4. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.5 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator tube, lavender top, urine transport tube	**Daily** Performed each shift

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HEMATOLOGY

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CADD290	**Add-on PT/PTT** Prothrombin Time and aPTT Prothrombin Time and Activated Partial Thromboplastin Time. Interferences: marked hemolysis or lipemia. Partially full blue top tubes may falsely increase sample's coagulation time. Note: clotting of the sample may preclude the analysis. The blue top tube needs to be filled to 2/3 or more of its capacity. Partially full blue top tubes may falsely increase coagulation times.	**0.5 mL citrated plasma in blue top tube**	**Daily** Performed each shift
CADD140	**Add-on Reticulocytes** Reticulocytes, Absolute Reticulocytes Includes an unadjusted reticulocyte percent and absolute reticulocyte count. Only aggregate reticulocytes are counted. Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily** Performed each shift
CT315	**Blood Type, Canine - DEA 1.1** Blood Type - DEA 1.1 This test determines the appropriateness of canineblood donors prior to transfusion. Dog Erythrocyte Antigen (DEA) 1.1 is the most antigenic blood group in dogs, and canine blood donors are often screened to see if they are positive or negative for this blood group. Note: keep sample refrigerated prior to transport and send with an ice pack.	**1.0 mL EDTA whole blood in lavender top tube**	**2-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16100	**Blood Type, Canine - Full Panel** Blood Type: DEA 1, DEA 4, DEA 5, DEA 7 This panel is used for RBC typing for identifying blood donors. It evaluates the presence of the blood group antigens; DEA 1.1, 1.2, 1.3, 4, 5, and 7. Antibody screen can be performed at no extra charge if clients submit serum with LTT.	**1.0 mL EDTA whole blood in lavender top tube**	**2-4 days**
CT331	**CBC, Path Review** CBC, clinical pathologist review of blood smear and results This includes WBC, RBC, HGB, HCT, MCV, MCH, MCHC, platelet count and estimate, WBC differential, RBC, and WBC morphology. A clinical pathologist will then review results and blood smears and provide an interpretative comment of the complete blood count. Interferences: marked hemolysis and lipemia.	**1.0 mL EDTA whole blood in lavender top tube**	**1-3 days**
CT337	**CBC/Reticulocyte** CBC, Reticulocyte Count This includes WBC, RBC, HGB, HCT, MCV, MCH, MCHC, platelet count and estimate, WBC differential, RBC, and WBC morphology (T330) and a reticulocyte count (T425). Interferences: marked hemolysis and lipemia.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily** Performed each shift
CSA290	**Coagulation Profile 1** CBC, PT and aPTT, Fibrinogen Quantitative, and D-Dimer Panel used to evaluate a patient exhibiting unexplained bleeding and/or thromboembolic disorders. Additionally, it can be used to evaluate risk of bleeding secondary to provocative procedures. Includes a CBC, PT/PTT, fibrinogen and D-dimer. Interferences: marked hemolysis, lipemia or clotting.	**1.0 mL EDTA whole blood and 1.0 mL citrated plasma** Lavender top, citrated plasma (or filled blue top)	**Daily** Performed each shift

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA300	**Coagulation Profile 2** PT and aPTT, Fibrinogen (Quantitativ), D-Dimer, and Platelet Count Panel used to evaluate a patient exhibiting unexplained bleeding and/or thromboembolic disorders. Additionally, it can be used to evaluate risk of bleeding secondary to provocative procedures. Includes PT/PTT, platelet count, fibrinogen and D- dimer. Interferences: marked hemolysis, lipemia or clotting.	**1.0 mL EDTA whole blood and 1.0 mL citrated plasma** Lavender top, citrated plasma (or filled blue top)	**Daily** Performed each shift
CSA305	**Coagulation Profile 3** PT and aPTT, and Platelet Count Panel used to evaluate a patient exhibiting unexplained bleeding. Additionally, it can be used to evaluate risk of bleeding secondary to provocative procedures. Includes PT/PTT and platelet count. Interferences: marked hemolysis, marked lipemia or clotting.	**1.0 mL EDTA whole blood and 1.0 mL citrated plasma** Citrated plasma (or filled blue top)	**Daily** Performed each shift
CT330	**Complete Blood Count** Includes WBC, RBC, Hemoglobin, Hematocrit, MCV, MCH, MCHC, Platelet count and Differential: Percent and Absolute Neutrophils, Bands, Lymphocytes, Monocytes, Eosinophils, Basophils Includes WBC, RBC, HGB, HCT, MCV, MCH, MCHC, platelet count and estimate, WBC differential, RBC and WBC morphology. Interferences: marked hemolysis and lipemia.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily** Performed each shift
CT540	**Direct Coombs' Test (Warm)** Used to investigate hemolytic anemia. Interferences: marked hemolysis and lipemia. Test should be performed within 24 hours of sample collection.	**1.0 mL of EDTA whole blood in lavender top tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT365	**Fibrinogen** This test is used to measure the concentration of functional fibrinogen in the plasma. Interferences: clotted sample precludes analysis. Citrated Whole Blood (blue top tube) or citrated plasma is the only acceptable sample. The tube should be greater than 2/3rds filled. If submitting separated citrated plasma, label it as Citrated Plasma.	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift
CS86493	**Lymphocyte Phenotyping** A diagnostic procedure used to assess the chemical and physical characteristics of a lymphocyte population. Most commonly used to determine if there is a monoclonal subset of cells.	**Submit patient history, CSU Clinical Immunology Form, and the sample that correlates to the source of disease. Choose sample based on disease source, for:** A. Peripheral lymphocytosis, suspect leukemia, etc.: submit 1.0 mL whole blood or bone marrow in lavender top tube(EDTA) and CBC results that are no older than 48 hours. OR B. Multicentric lymphoma, lymphoma/ suspect neoplastic cells in lymph node(s) or organ(s): submit lymph node or other tissue/organ aspirate in non-additive red or white top tube. See Collection Method (or Special Instructions for Draw) for additional instructions. OR C. Pleural effusion and ascites: submit 0.5 mL of cavity fluid in a lavender top tube (EDTA) and 0.5 mL in a red top tube (with a few drops of patient serum added for protein samples less than 4 mg/dL as evaluated on a refractometer.) If only able to submit one effusion sample, submission of lavender top tube (EDTA) is preferred.	**7-10 days** Samples should be received at Antech Laboratory on Monday or Tuesday for timely processing and testing by the reference laboratory performing this test (CSU).

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CREVW	**Path Review** This code is used to Add-on a clinicopathologist review to a CBC.	**0.5 mL EDTA whole blood in lavender top tube**	**1-2 days**
CT400	**Platelet Count** Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily** Performed each shift
CT410	**Prothrombin Time** Prothrombin Time measures the integrity of the extrinsic and common components of the coagulation cascade. Interferences: marked hemolysis or lipemia. Partially full blue top tube may falsely increase sample's coagulation time. Note: clotting of the sample may preclude the analysis. The blue top tube needs to be filled to 2/3 or more of its capacity.	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT415 **Add-on Equivalent CADD290**	**PT/PTT** Prothrombin Time and Activated Partial Thromboplastin Time Prothrombin Time and Activated Partial Thromboplastin Time. Prothrombin time measures the integrity of the extrinsic and common components of the coagulation cascade. Partial Thromboplastin Time (PTT) measures the integrity of the intrinsic and common components of the coagulation cascade. Interferences: marked hemolysis or lipemia. Partially full blue top tube may falsely increase sample's coagulation time. Note: clotting of the sample may preclude the analysis. The blue top tube needs to be filled to 2/3 or more of its capacity. Partially full blue top tubes may falsely increase coagulation times.	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift
CT395	**PTT** Activated Partial Thromboplastin Time Partial Thromboplastin Time (PTT) measures the integrity of the intrinsic and common components of the coagulation cascade. Interferences: marked hemolysis or lipemia. Partially full blue top tube may falsely increase sample's coagulation time. Note: clotting of the sample may preclude the analysis. The blue top tube needs to be filled to 2/3 or more of its capacity.	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift
CS17123	**Von Willebrand Factor** To evaluate for Von Willebrands factor deficiency. Results will be expressed as a percentage. The percentage will indicate the risk of bleeding problems. Note: for genetic screening, do not test bitches in season, pregnant or lactating. Do not test unhealthy animals (with no evidence of primary clotting issues), those on medication for a recent illness, or those vaccinated within 14 days. Large breed pups can be tested at seven weeks of age. Small breed pups should be over 12 weeks of age prior to testing.	**1.5 mL citrated plasma collected as whole blood in blue top tube, spun and plasma placed in non-additive tube (labeled as Citrated plasma). Freeze citrated plasma.**	**7-10 days**

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CHEMISTRY

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA665	**Adult Wellness Chemistry with SDMA** Wellness Chemistry (ALT (SGPT), Alkaline Phosphatase, Total Protein, Albumin, Globulin, A/G Ratio, BUN, Creatinine, BUN/Creatinine Ratio, Glucose, Sodium, Potassium, Na/K Ratio, and Chloride) with Electrolytes and SDMA A comprehensive chemistry panel and SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator**	**Daily** Performed each shift
CT223	**Bile Acid Post** Interferences: marked hemolysis or lipemia. Note: ursodeoxycholic acid may be detected by bile acid assay, causing falsely elevated values. Feed the patient a maintenance diet meal after a 10-12 hour fast and draw a serum sample 2 hours post-feeding. Label the tube as postprandial bile acids.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CT220	**Bile Acid Profile** Fasted bile acids, 2 hour post feeding bile acids Pre and post prandial bile acids. Interferences: marked hemolysis or lipemia. Ursodeoxycholic acid may be detected by bile acid assay, causing falsely elevated values. Note: suggested protocol: 1. Obtain a fasting serum sample (1 mL) and label the tube preprandial. 2. Obtain a second serum sample (1 mL) 2 hours after feeding the animal a maintenance diet and label the tube postprandial.	**0.5 mL serum in red top or serum separator tube (fasted sample labeled Pre) and 0.5 serum in red top or serum separator tube (2-hour post sample labeled Post)**	**1-2 days**
CT225	**Bile Acids** Single Bile Acid Single sample labeled as either pre or post bile acids. Interferences: marked hemolysis or lipemia. Note: ursodeoxycholic acid may be detected by bile acid assay, causing falsely elevated values. 1.0 mL of serum labeled either as fasted (10-12 hours fast) or post prandial (2 hours after feeding a maintenance diet meal).	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT110	**Calcium** Total Calcium Interferences: marked hemolysis or lipemia. Lipemia can result in falsely elevated total calcium values.	**0.5 mL serum in red top tube or serum separator tube**	**Daily** Performed each shift
CSA324	**Chemistry Panel** Total Protein, Albumin, Globulin, AST (SGOT), ALT (SGPT), Alkaline Phosphatase, GGTP, Total Bilirubin, BUN, Glucose, Sodium, Potassium, Chloride A liver chemistry panel that is useful when trending response of specific values to the management of a previously defined hepatobiliary disease. Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT7008	**Chemistry Renal with SDMA Profile** Total Protein, Albumin, Globulin, A/G Ratio, BUN, Creatinine, BUN/Creat Ratio, Phosphorus, Calcium, Corrected Calcium, Sodium, Potassium, Na/K Ratio, Chloride, and SDMA A comprehensive profile panel that can be used to trend response to therapy when treating renal disease (glomerular or tubulointerstitial) which includes SDMA for glomerular filtration rate estimation (see CT1035). Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT140	**Electrolyte Screen** Sodium, potassium, sodium/potassium ratio, chloride, bicarbonate and anion gap Evaluation of serum sodium, potassium, sodium/potassium ratio, chloride, bicarbonate, and anion gap. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CSA250	**Feline Heartworm Program** Miniscreen 4 Chemisty with Electrolytes, Feline Heartworm Antibody A small chemistry panel (total protein, ALT, BUN, glucose) combined with a feline heartworm antibody test. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CT145	**GGTP** Gamma-glutamyl transferase Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS18537	**Ionized Calcium** Evaluation of the ionized fraction, rather than protein bound fraction, of calcium. Interferences: aerobic exposure, or severe lipemia. Note: sample must be anaerobically transferred from spun collection tube into plain red top.	**2.0 mL serum anaerobically transferred from spun red top or serum separator tube into a plain, unopened red top tube.** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**2-4 days**
CSA321	**Liver Chemistry Screen** Total Protein, Albumin, Globulin, A/G Ratio, AST (SGOT), ALT (SGPT), Alkaline Phosphatase, GGT, Total Bilirubin, Direct Bilirubin, Sodium, Potassium, Chloride, and Cholesterol A chemistry panel that includes all cholestatic and hepatocellular liver enzymes, bilirubin, albumin, globulin and cholesterol. Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top tube or serum separator tube**	**Daily** Performed each shift
CT165 **Add-on Equivalent CADD90**	**PrecisionPSL** PrecisionPSL (Pancreatic Sensitive Lipase) is used to help diagnose pancreatitis in patients with consistent clinical signs. Interferences: marked hemolysis or lipemia. Hemolysis will falsely decrease and lipemia will falsely increase PSL results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CSA040	**Pre-Op Screen with SDMA** Includes Total Protein, Albumin, Globulin, A/G Ratio, ALT (SGPT), Alkaline Phosphatase, BUN, Creatinine, BUN/Creat Ratio, Sodium, Potassium, Chloride, Na/K Ratio, Glucose, and SDMA A smaller chemistry which includes total protein, albumin, globulin, ALT, ALP, BUN, creatinine, glucose and SDMA. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT240 **Add-on Equivalent CADD130**	**Protein Electrophoresis** Total protein, Albumin, Globulin, Alpha 1, Alpha 2, Beta 1, and Gamma 1 fraction assessment with interpretation. An evaluation of the globulin fraction of the serum (alpha 1, alpha 2, beta, and gamma) to determine if the globulin fraction is monoclonal based on these components. Interferences: marked hemolysis or lipemia. Hemolysis may falsely elevate the beta globulin fraction.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA311	**Renal Chemistry Screen with SDMA** Total Protein, Albumin, Globulin, Albumin/globulin Ratio, BUN, Creatinine, Phosphorous, Glucose, Calcium, Sodium, Potassium, Sodium/potassium Ratio, and Chloride A chemistry panel which includes albumin, globulin, BUN, creatinine, phosphorous, glucose, calcium, sodium, potassium, chloride and SDMA. Interferences: marked hemolysis or lipemia.	**0.5 mL sereum in red top or serum separator tube**	**Daily** Performed each shift
CT1035	**SDMA** SDMA (symmetric dimethylarginine) is freely filtered by the kidneys, and elevation in SDMA is indicative of a reduced glomerular filtration rate.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CSA010	**Superchem with SDMA** Total Protein, Albumin, Globulin, Albumin/Globulin Ratio, AST (SGOT), ALT (SGPT), Alkaline Phosphatase, GGT, Total Bilirubin, BUN, Creatinine, BUN/Creatinine Ratio, Phosphorous, Glucose, Calcium, Magnesium, Sodium, Potassium, Sodium/Potassium Ratio, Chloride, Cholesterol, Triglyceride, PrecisionPSL, CPK, and SDMA Most comprehensive chemistry profile which includes SDMA for estimation of the glomerular filtration rate (CT1035) Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CS85783	**Troponin I**	**1.0 mL frozen serum (should be fasting, non-hemolyzed sample)**	
CS16016	**Vitamin D**	**1.0 mL serum in red top or serum separator tube. Overnight fast recommended. Store and transport refrigerated or frozen (on ice packs)**	**4-10 days**

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URINE

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CADD220	**Add-on Urinalysis** Includes chemical analysis (Color, Appearance, Specific Gravity, pH, Protein, Glucose, Ketones, Bilirubin, Occult blood) and microsopic evaluation of urine sediment A complete urinalysis which includes urine specific gravity, urine chemistry, and full microscopic evaluation. Interferences: visible levels of hemolysis, drugs containing dyes, nitrofurantoin, or riboflavin.	**6.0 mL urine in urine transport tube**	**Daily** Performed each shift
CADD230	**Add-on Urine Protein/Creat Ratio** Protein/Creatinine Ratio Urine Protein/Creatinine Ratio (UPC) is used to determine the magnitude of the proteinuria.	**0.5 mL urine in urine transport tube**	**1-2 days**
CS16735	**Crystallographic Stone Analysis** Nidus Composition, Stone Composition and Shell Composition The report includes a comprehensive stone analysis using optical crystallography with a region-by-region stone fracture. Stone composition is provided for nidus, stone, shell, and surface. Note: do not send in formalin.	**Dry stone in red top tube or plain container**	**5-7 days**
CT764	**Path Review (Urinalysis)** This test can be added onto a complete urinalysis and includes sediment evaluation by a clinical pathologist.	**Not applicable**	**1-2 days**
CT760 **Add-on Equivalent CADD220**	**Urinalysis** Includes chemical analysis (Color, Appearance, Specific Gravity, pH, Protein, Glucose, Ketones, Bilirubin, Occult blood) and microsopic evaluation of urine sediment The complete urinalysis includes a physical (color, appearance, USG), chemical (pH, protein, glucose, ketones, bilirubin, occult blood), and microscopic (WBC, RBC, casts crystals, bacteria, transitional and squamous epithelial cells, fat droplets) exam of the urine. Interferences: visible levels of hemolysis, drugs containing dyes, nitrofurantoin, or riboflavin.	**6.0 mL urine in urine transport tube**	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT925	**Urinalysis and UPC Ratio** Urinalysis and Urine Protein/Creatinine Ratio A complete urinalysis (CT760) and a urine protein to creatinine ratio (CT775).	**6.5 mL urine in urine transport tube**	**1-2 days**
CT765	**Urinalysis Clearance Ratio** Urinary Clearance Creatinine Ratios (Phosphorous, Calcium, Sodium, Potassium, Chloride) Determination of urine fractional excretion is indicated to assess renal clearance of specific substances. Interferences: marked hemolysis or lipemia in serum.	**0.5 mL urine and 0.5 mL serum** Serum in red top or serum separator tube, urine transport tube	**1-2 days**
CM133	**Urinalysis/Urine Culture with MIC** Urinalysis and Urine Culture and Sensitivity A complete urinalysis (CT760), and urine culture (CM130). Culture performed using *FIRST*ract methodology allowing for rapid growth within 5 hours and subsequent reporting of a positive or negative result in under 24 hours. A positive result will be immediately plated for bacterial identification and antimicrobial sensitivity testing. Interferences: patients should be off antibiotics for seven to ten days prior to urine culture.	**6.5 mL urine in urine transport tube**	**1-4 days**
CT830C	**Urine Microalbumin Canine** Measures albumin concentration in the urine.	**0.5 mL urine in urine transport tube**	**1-2 days**
CT830F	**Urine Microalbumin Feline** Measures albumin concentration in the urine.	**0.5 mL urine in urine transport tube**	**1-2 days**
CT775 **Add-on Equivalent CADD230**	**Urine Protein/Creatinine Ratio** Urine Protein, Urine Creatinine and Urine Protein and Creatinine Ratio Urine Protein/Creatinine Ratio (UPC) to determine the magnitude of the proteinuria.	**0.5 mL urine in urine transport tube**	**1-2 days**

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ENDOCRINOLOGY

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CADD260	**Add-on Fructosamine** Serum fructosamine concentrations reflect the mean blood glucose concentrations during the preceding one to two weeks. The measurement can be used to differentiate stress hyperglycemia from diabetes mellitus. Interferences: hemolysis and lipemia may interfere with testing.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CADD300	**Add-on Post T4** Used for monitoring thyroid status in patients previously diagnosed as hypothyroid, being supplemented on synthetic thyroid hormone (4-6 hours post pill). Note: refrigerate and send on ice. Ideal sampling time is typically 4-6 hours post pill administration.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD190	**Add-on T4** Total T4 Interferences: marked hemolysis. Moderate to marked lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CADD200	**Add-on TSH** Used in conjunction with other thyroid hormone values, typically T4 and FT4, to allow for the diagnosis of hypothyroidism or hyperthyroidism. Interferences: marked lipemia.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS14410	**Anti-Mullerian Hormone (C/F)** A qualitative AMH test for dogs and cats is meant to distinguish between spayed and ovarian intact bitches and queens once they have reached the age of sexual maturity. This test is to be used on canine and feline species only. Interferences: marked hemolysis or lipemia. Note: serum should be separated and placed in a plain red top tube. Sample must be kept cold — freeze after collection and send on ice packs.	**0.5 mL serum in non-additive tube (plastic preferred) Note: Avoid use of serum separator tubes due to possible assay interference.**	**7-10 days**
CT445	**Cortisol** Cortisol Assay, Single sample Single cortisol level Interferences: marked hemolysis may affect results, and marked lipemia (if unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CACTH2	**Cortisol Serial ACTH 2** Cortisol Assay, 2 Samples: Pre (Baseline) and Post ACTH Stimulation This is an ACTH stimulation test that requires two samples: one pre, one post. Results include baseline cortisol and one post-ACTH cortisol. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube (fasted sample labeled Pre) and 0.5 serum in red top or serum separator tube (2-hour post sample labeled Post)**	**1-2 days**
CACTH3	**Cortisol Serial ACTH 3** Cortisol Assay, 3 Samples: Pre (Baseline) and 2 Post ACTH Stimulation This is an ACTH stimulation test that requires three samples. One pre cortrosyn administration and then two post at established intervals Interferences: marked hemolysis may affect results, and marked lipemia (if unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube for baseline sample (labeled Pre) and 0.5 serum in red top or serum separator tube for each post sample (post samples labeledPost)**	**1-2 days**
CACTH4	**Cortisol Serial ACTH 4** Cortisol Assay, 4 Samples: Pre (Baseline) and 3 Post ACTH Stimulation This is an ACTH stimulation test that requires four samples. One pre cortrosyn administration and then three post at established intervals Interferences: marked hemolysis may affect results, and marked lipemia (if unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube for baseline sample (labeled Pre) and 0.5 serum in red top or serum separator tube for each post sample (post samples labeledPost)**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CDEX2	**Cortisol Serial DEX 2** Cortisol Assay, 2 Samples: Pre (Baseline) and Post Dexamethasone Suppression This test measures cortisol concentrations before and after administration of exogenous dexamethasone (0 hours followed by an 8-hour sample). This is only a two cortisol assay. The low dose dexamethasone suppression test, a three cortisol sample test (mnemonic CDEX3), is preferred for diagnosing hyperadrenocorticism. The high-dose dexamethasone suppression test, a three cortisol sample test, is used to differentiate pituitary-dependent from adrenal tumor hyperadrenocorticism. Interferences: marked hemolysis may affect results, and marked lipemia (unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube for baseline sample (labeled Pre) and 0.5 serum in red top or serum separator tube for post sample (labeled Post)**	**1-2 days**
CDEX3	**Cortisol Serial DEX 3** Cortisol Assay, 3 Samples: Pre (Baseline) and 2 Post Dexamethasone Suppression This test measures cortisol concentrations before and after administration of exogenous dexamethasone. This suppression test requires three samples; baseline cortisol prior to dexamethasone administration and two cortisol levels post dexamethasone administration (4 and 8 hours). Interferences: marked hemolysis may affect results, and marked lipemia (unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube for baseline sample (labeled Pre) and 0.5 serum in red top or serum separator tube for each post sample (post samples labeledPost)**	**1-2 days**
CDEX4	**Cortisol Serial DEX 4** Cortisol Assay, 4 Samples: Pre (Baseline) and 3 Post Dexamethasone Suppression This test measures cortisol concentrations before and after administration of exogenous dexamethasone. This suppression test includes four samples; baseline cortisol prior to dexamethasone administration and three additional cortisol samples post dexamethasone administration (last occurring at 8 hours). Samples taken at 2 or 6 hours are interpreted similarly to those obtained at 4 hours. Interferences: marked hemolysis may affect results, and marked lipemia (unable to be cleared by centrifugation) may falsely decrease cortisol levels.	**0.5 mL serum in red top or serum separator tube for baseline sample (labeled Pre) and 0.5 serum in red top or serum separator tube for each post sample (post samples labeledPost)**	**1-2 days**
CT770	**Cortisol/Creatinine Ratio** Urine Cortisol:Creatinine Ratio The urine cortisol/creatinine ratio is most commonly used as a screening test for canine hyperadrenocorticism and for hypoadrenocorticism. Interferences: marked hemolysis and lipemia.	**0.5 mL urine in urine transport tube**	**2-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT435	**Endogenous ACTH** Endogenous ACTH used for small animal testing. Note: endogenous ACTH is extremely labile. Immediately separated and frozen EDTA-plasma without aprotinin may be acceptable but is NOT the preferred sample. Serum or heparinized plasma is not acceptable for ACTH testing. Call lab to obtain an aprotinin-treated lavender top tube and transfer tube.	**1.0 mL aprotinin treated EDTA plasma in non-additive transport tube (labeled as AP treated plasma). Transport refrigerated (on ice packs).**	**2-4 days**
CT460 **Add-on Equivalent CADD50**	**Free T4 by Equilibrium Dialysis** Note: this test should not be performed as an Add-on to samples older than 72 hours.	**0.5 mL serum in red top or serum separator tube**	**2-6 days**
CADD50	**Free T4 Equilibrium Dialysis Add-on**	**0.5 mL serum in red top or serum separator tube**	**2-6 days**
CS16345 **Add-on Equivalent CADD260**	**Fructosamine** Interferences: hemolysis and lipemia may affect results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT470	**Insulin** Insulin with Glucose Interferences: marked hemolysis. Note: Generally used to evaluate for the presence of an insulinoma. Concurrent blood glucose concentration should be below 60 mg/dl (3.3 mmol/L) when serum insulin levels are measured. Not to be used on patients receiving exogenous insulin without an appropriate withdrawal period.	**0.5 mL serum in red top tube or serum separator tube**	**2-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT470F	**Insulin (Feline) with Glucose** Interferences: marked hemolysis. Note: Generally used to evaluate for the presence of an insulinoma. Concurrent blood glucose concentration should be below 60 mg/dl (3.3 mmol/L) when serum insulin levels are measured. Not to be used on patients receiving exogenous insulin without an appropriate withdrawal period.	**0.5 mL serum in red top or serum separator tube**	**5-7 days**
CS16520	**Luteinizing Hormone**	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CS16596	**Parathormone Related Protein** Determines the presence of the parathormone-related protein (PTHrp). Interferences: marked hemolysis or lipemia. Note: submit frozen plasma and label submisson tube as plasma PTHrP.	**1.0 mL frozen EDTA plasma in plain transport tube, collected as whole blood in lavender top tube (spin and separate plasma into plain transport tube). Include patient history.** Frozen plasma (Call customer service for specimen handling protocol: 1-800-341-3440, dial 0)	**7-14 days**
CT448	**Post Cortisol** A single cortisol level, submitted as a post, used to complete an ACTH stimulation or dexamethasone suppression test (8 hours). Interferences: marked lipemia.	**0.5 serum in red top or serum separator tube (labeledPost)**	**1-2 days**
CT497 **Add-on Equivalent CADD300**	**Post T4** Used for monitoring thyroid status in patients previously diagnosed as hypothyroid, being supplemented on synthetic thyroid hormone (4-6 hours post pill). Note: draw serum 4-6 hours post pill.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT475	**Progesterone** Progesterone level Interferences: serum separator gel may interfere with test.	**0.5 mL serum in red top tube (do not use serum separator tube)**	**1-2 days**
CS16595	**PTH/Ionized Calcium** Parathormone and Ionized Calcium Evaluates the total calcium, ionized calcium, and parathyroid hormone to further define the cause of abnormalities in calcium homeostasis. Note: serum samples must be anaerobically obtained (exposure to air may artifactually decrease ionized calcium). Samples should not be transported in serum separator tubes. Transfer serum into two plain red top tubes and label as serum ionized calcium and serum PTH. Samples should be frozen and sent on ice.	**2.0 mL serum anaerobically transferred from spun red top or serum separator tube into a plain, unopened red top tube stored and transported frozen along with patient history**	**7-10 days**
CT480	**T3** Tri-iodothyronine (T3)	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT495 **Add-on Equivalent CADD190**	**T4** Total T4 Interferences: marked hemolysis and moderate to marked lipemia. Lipemia can falsely decrease T4 results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT499	**T4 (Free)** Free T4 T4 (Free) determined by Immulite.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16760	**Testosterone** Single testosterone level	**0.5 mL serum in red top or serum separator tube**	**3-5 days**
CT505	**Thyroglobulin Autoantibodies** Canine Thyroglobulin Auto Antibody Level Thyroglobulin auto antibody test is used to confirm the presence of autoimmune thyroiditis	**0.5 mL serum in red top or serum separator tube**	**3-7 days**
CSA360	**Thyroid Profile 1** T4 and T3 Used to evaluate T4 and T3 levels. Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**0.75 mL serum in red top or serum separator tube**	**1-5 days**
CSA370	**Thyroid Profile 2** Total T4 and Free T4 By Equilibrium Dialysis Panel includes a total T4 and free T4 by Equilibrium Dialysis (FT4 ED). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum in red top or serum separator tube**	**1-6 days**
CSA380	**Thyroid Profile 3** Total T4, Free T4 By Equilibrium Dialysis, and TSH Panel includes a total T4, free T4 by Equilibrium Dialysis (FT4 ED), and thyroid stimulating hormone (TSH). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.5 mL serum in red top or serum separator tube**	**1-6 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA390	**Thyroid Profile 4** TSH and Free T4 by Equilibrium Dialysis Panel includes a free T4 by Equilibrium Dialysis (FT4 ED), and thyroid stimulating hormone (TSH). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**1.0 mL serum in red top or serum separator tube**	**1-6 days**
CSA400	**Thyroid Profile 5** T4, Free T4 By Equilibrium Dialysis, TSH, and Thyroglobulin Auto Antibody Panel includes a total T4, free T4 by Equilibrium Dialysis (FT4 ED), thyroid stimulating hormone (TSH), and thyroglobulin autoantibody (TGAA). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results.	**2.0 mL serum in red top or serum separator tube**	**1-6 days**
CSA410	**Thyroid Profile 6** T3, T4, Free T4 By Equilibrium Dialysis, T3 Autoantibodies, T4 Autoantibodies, TSH, and Thyroglobulin Auto Antibody Panel includes total T3, T3 autoantibody, total T4, free T4 by Equilibrium Dialysis (FT4 ED), T4 autoantibody, thyroid stimulating hormone (TSH), and thyroglobulin autoantibody (TGAA). Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Lipemia can falsely elevate TSH results. Note: T4 and FT3 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 and FT3 results. Lipemia can falsely elevate TSH results.	**2.5 mL serum in red top or serum separator tube**	**1-7 days**
CT510 **Add-on Equivalent CADD200**	**TSH** Thyroid stimulating hormone (TSH) Interferences: marked lipemia. Lipemia can cause falsely elevated results.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

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INFECTIOUS

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAC100	**Accuplex®** Heartworm, Borrelia burgdorferi, *E. canis, Anaplasma phagocytophilum* This is a canine vector-borne disease screening test for Heartworm (Ag), Lyme disease (includes screening for antibodies against two C6 peptides), *E. canis*, and *A. phagocytophilum*.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD04	**Add-on Coccidioidomycosis Screen** IgM Antibody, IgG Antribody, *Coccidioides* IgG Titer Serology by agar gel immunodiffusion (AGID) used most frequently to screen for exposure to *Coccidioides immitis*. Interferences: marked lipemia.	**0.5 mL serum in red top or serum separator tube**	**5-7 days**
CADD05	**Add-on *Ehrlichia canis*** Assesses for the presence of antibodies against *Ehrlichia canis* evaluated for by IFA. Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CADD07	**Add-on Feline Retroviral** FeLV Antigen (ELISA), FIV Antibody Detection of Feline leukemia virus (FeLV) antigen by ELISA and Feline immunodeficiency virus (FIV) antibody by IFA. Interferences: marked hemolysis or lipemia may result in false positive FeLV antigen result.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD70	**Add-on Heartworm Antigen** Heartworm Antigen This test detects antigen from the female heartworm. A detected result (positive) indicates infection with adult female heartworms (Dirofilaria immitis). A not detected result (negative) indicates that at the time of submission, no antigen was detected. Adult Dirofilaria immitis antigens will not be detected for 5-7 months following infection with L3 larval stages.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD20	**Add-on *Hemobartonella*** *Mycoplasma haemofelis* Microsopic evaluation of a fresh blood smear for hemotropic *Mycoplasma*. Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS14437	***Anaplasma phagocytophilum* AB** Used to detect antibodies against *Anaplasma phagocytophilum* by IFA methodology in all other species except canine and equine. Interferences: marked hemolysis and lipemia may affect results.	**0.5 mL serum or CSF in red top tube**	**4-7 days**
CS16872	***Anaplasma phagocytophylium* AB** Used to detect antibodies against *Anaplasma phagocytophilum* by IFA methodology. Exposure does not necessarily indicate that clinical signs are caused by infection. Canine only. Note: use on canine samples only. Equine samples should be submitted under CS16872E.	**1.0 mL serum in red top or serum separator tube**	**2-6 days**
CT530	***Brucella canis* - Screen** This test is species-specific (dogs only). This is a screening test performed at 1:50 dilution. A titer is not performed. Note: canine only. Test will not detect antibodies against *B. suis*, *B. melitensi*, and *B. abortus*. Use the *Brucella* AGID test if a dog may have been infected with *Brucella* from other species (e.g., from cattle, sheep, goats, pigs, sheep). Do not use this test for export.	**0.5 mL serum in red top tube or serum separator tube**	**2-4 days**
CS16131	***Brucella* Screen Multiplex** *Brucella* Screen Multiplex. Includes confirmatiry testing with *Brucella* Slide Agglutination and AGID for samples with non-negative screen results An antibody detection for *Babesia canis* antigen via the Canine *Brucella* Multiplex Assay. Samples undergo sequential testing dependent upon initial results. If the Multiplex assay is positive, further testing is performed by Canine *Brucella* Slide Agglutination and AGID testing at no additional cost. Note: canine only. This test can detect antibodies against *B. canis*, *B. suis*, *B. melitensi* and *B. abortus*.	**1.0 mL serum in red top tube or serum separator tube**	**7-10 days**
CS16135	**Calici Virus - IFA** A serology test evaluating for IgG antibody levels by IFA suggesting Feline calicivirus exposure. Interferences: sample submitted in tubes with separator gel.	**0.5 mL serum in red top tube. Submission in serum separator tube is not recommended.**	**10-15 days**
CT535 **Add-on Equivalent CADD04**	**Coccidioidomycosis, Screen and Titer** Serology by agar gel immunodiffusion is used most frequently to screen for exposure to *Coccidoides*. This is a titer test for antibodies directed against *Coccidioides immitis* (aka Valley Fever). Interferences: lipemia.	**0.5 mL serum in red top or serum separator tube**	**4-6 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT550	***Cryptococcus* Antigen** Used as a diagnostic test for Cryptococcosis. Detects the presence of Cryptococcal antigen. Interferences: marked hemolysis and lipemia. Note: serum and CSF submitted in a plain tube (white top or red top) is the only acceptable specimens. Plasma (any type) is not an acceptable specimen for this test. Body cavity fluid (e.g., CSF) cannot be submitted in a tube containing anticoagulant (e.g., LT) because the anticoagulant may invalidate the test.	**0.5 mL serum or fluid in red top tube or plain transport tube (without anticoagulant)**	**2-4 days**
CT570 **Add-on Equivalent CADD05**	***Ehrlichia canis*** This test detects antibodies (IgG) directed against *Ehrlichia canis*. Interferences: marked hemolysis and lipemia. Canine only. Test is not valid for export purposes.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CS16900	**Ehrlichiosis Serology Panel (Canine)** *Ehrlichia canis, Anaplasma phagocytophilum, Neorickettsia* antibody detection Evaluates for the presence of antibodies indicating exposure to *Ehrlichia canis, Anaplasma phagocytophilum,* and *Neorickettsia risticii*. Interferences: marked hemolysis and lipemia.	**2.0 mL serum in red top or serum separator tube**	**2-7 days**
CT595	**Feline Coronavirus Titer** This test determines if a cat has antibody titers against Feline Coronavirus (FCV). Titers are determined at 1:400 and 1:1600. A result of less than 1:400 is not the same as a negative titer. A titer of less than 1:400 indicates that the cat does not have high antibody concentrations against FCV. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT630	**Feline Heartworm Profile** Feline Heartworm Antibody and Heartworm Antigen This test evaluates for antibodies consistent with heartworm exposure and antigens consistent with the presence of female adult heartworm. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CSA260 **Add-on Equivalent CADD07**	**Feline Retroviral** FeLV Antigen ELISA, FIV Antibody Evaluation for the presence of FeLV antigen (ELISA) and FIV antibodies (IFA). Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA262	**Feline Serology** FeLV Antigen ELISA, FIV Antibody, *Toxoplasma* Ab - IgG/IgM Panel that assesses possible infectious etiologies including FeLV (CT580), FIV (CT610), and *Toxoplasma gondii* (CT720) for the exhibited clinical signs. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum in red top or serum separator tube**	**1-5 days**
CSA265	**Feline Serology 1** FeLV Antigen ELISA, Feline Coronavirus Titer, FIV Antibody Panel that assesses possible infectious etiologies including FeLV (CT580), FIV (CT610), and feline coronavirus (CT595) for the exhibited clinical signs. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**0.75 mL serum in red top tube or serum separator tube**	**1-3 days**
CSA270	**Feline Serology 2** FeLV Antigen ELISA, FIV Antibody, Feline Coronavirus Titer, Cryptococcal Antigen, *Toxoplasma* Ab - IgG/IgM Panel that assesses possible infectious etiologies including FeLV (CT580), FIV (CT610), feline coronavirus (CT595), *Cryptococcus* neoformans (CT550), and *Toxoplasma gondii* (CT720) for the exhibited clinical signs. Interferences: marked hemolysis or lipemia may result in false positive results on the FeLV Antigen ELISA.	**1.0 mL serum in red top or serum separator tube**	**1-5 days**
CT585	**FeLV - IFA** This is an immunofluorescence assay run on blood or bone marrow smears to look for evidence that Feline Leukemia Virus (FeLV) has infected the cat's bone marrow. Note: requires unstained blood or bone marrow smears.	**2 freshly prepared, unstained blood smears or 2 bone marrow smears.**	**1-3 days**
CT580 **Add-on Equivalent CADD06**	**FeLV Antigen (ELISA)** Test detects FeLV antigen by ELISA methodology. Interferences: marked hemolysis or lipemia may cause false positive results.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD06	**FeLV Antigen (ELISA) Add-on** Test detects FeLV antigen by ELISA methodology. Interferences: marked hemolysis or lipemia. marked hemolysis or lipemia may result in false positive results.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS6234	**FeLV PCR** Used to detect FeLV using PCR in cases where ELISA and IFA are inconclusive. Results are reported as positive or negative. Note: samples should be refrigerated. 1-5 grams of bone marrow in a leak-proof container or 1.0 mL of whole blood in a lavender top tube.	**1 to 5 grams bone marrow in leakproof container OR 1.0 mL whole blood (EDTA) in lavender top tube**	**7-10 days**
CT610 **Add-on Equivalent CADD15**	**FIV Antibody** Evaluation for the presence of FIV antibody by IFA.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CADD15	**FIV Antibody Add-on** Evaluation for the presence of FIV antibody by IFA.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CS86454	**Heartworm (Microfilaria) for Export** Heartworm Antigen test and Microfilaria filtration test Heartworm antigen detection by ELISA and heartworm microfilarial filtration test.	**2.0 mL EDTA whole blood in lavender top tube**	**7-10 days**
CT613	**Heartworm Ag-Heat-Treated Serum** Heartworm Antigen using heat-treated serum This test is to be done on HW negative samples that are thought to be false negative because of antigen/antibody complexes. This test is NOT recommended for samples that are already HW antigen-positive or borderline positive. Interferences: marked hemolysis or lipemia. Marked hemolysis may cause false positive result. Marked lipemia may cause false negative results.	**1.0 mL serum in red top or serum separator tube**	**2-4 days**
CT625	**Heartworm Antibody, Feline** This test evaluates for antibodies consistent with heartworm exposure. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT615 **Add-on Equivalent CADD70**	**Heartworm Antigen** This test evaluates for the presence of heartworm antigen. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT620	**Heartworm Antigen Feline** This test evaluates for the presence of heartworm antigen.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CT618	**Heartworm, Ova and Parasite** Heartworm Antigen, Fecal O&P with Centrifugation Heartworm antigen detection and fecal analysis via zinc sulfate centrifugation/flotation for ova and parasite detection (T805).	**0.5 mL serum and 5 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-2 days**
CT380 **Add-on Equivalent CADD20**	***Hemobartonella*** *Mycoplasma haemofelis* Microsopic evaluation of a fresh blood smear for hemotropic *Mycoplasma*. Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily**
CS86096	**Influenza - Canine Acute** H3N8 and H3N2 influenza antibody detection Used to detect for the presence of antibody to H3N8 and H3N2 influenza viruses.	**1.0 mL serum in red top tube**	**10-15 days**
CS16510	**Leptospirosis** *L. pomona, L. icterohemorrhagiae, L. canicola, L. grippotyphossa, L. hardjo, L. autumnalis, L. bratislava* The results of this test include a semi-quantitative titer for serovars. Interferences: recent vaccination (within one month) may interfere with testing. Note: test is not species specific.	**1.0 mL serum in red top tube or serum separator tube**	**5-10 days**
CT670	**Lyme IgG** Detection of IgG consistent with exposure (natural or vaccinal) to *Borrelia burgdorferi*. Interferences: marked hemolysis or lipemia. Note: test does not distinguish between natural and vaccinal Lyme exposure.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT390	**Microfilaria** This is a concentration test involving whole blood that is more sensitive than the examination of a peripheral blood smear to determine the presence of microfilariae. Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube.**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16560	***Neospora caninum* - IFA** Results are expressed as an antibody titer consistent with exposure to *Neospora caninum*.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CT812	**O&P, *Giardia* with Heartworm** Heartworm Antigen, Fecal O&P with Centrifugation, *Giardia* Heartworm antigen detection and fecal analysis via zinc sulfate centrifugation/flotation and *Giardia* Ag ELISA for ova and parasite detection (T808). Note: sample should be evaluated within 24 hours of collection. If a worm has been identified in the sample, separate the worm and place in a container labeled Worm in black. Additionally, mark Worm on the TRF being submitted with the sample.	**0.5 mL serum and 6 grams feces** **Serum in red top or serum separator tube, Antech provided fecal container**	**1-2 days**
CT695	**Parvovirus Antigen** Detects parvovirus antigen in fecal samples. Note: modified live virus vaccination for parvovirus may give false-positive results for about two weeks after vaccination. A negative test does not rule out parvovirus infection.	**5 grams feces in Antech provided fecal container**	**2-4 days**
CS1204	**Rabies Diagnostic Non-Export** Results are reported as an antibody titer. Note: not to be used for export. In the case of export, the individual country's guidelines for testing need to be reviewed. With regards to Rabies vaccination guidelines and the utility of titers, the clinician is recommended to refer to state/provincial guidelines for vaccination requirements.	**1.5 mL serum in red top or serum separator tube**	**3-4 weeks**
CS17108	**Rabies Export - FAVN** Rabies Antibody Titer, Export by FAVN Evaluation of rabies titer by flourescent antibody virus neutralization. Interferences: marked hemolysis or lipemia. Note: complete FAVN form. For the post rabies vaccination, wait at least 3-4 weeks prior to drawing the sample.	**1.5 mL serum in red top or serum separator tube (with FAVN form)**	**3-4 weeks**
CT720	***Toxoplasma* AB - IgG/IgM** Detection of IgG and IgM antibodies to *Toxoplasma gondii*. Interferences: marked hemolysis and lipemia. This code is for domestic cats only. Alternative codes are available for canines and exotic animals (including felines).	**0.5 mL serum in red top or serum separator tube**	**2-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS18708	***Toxoplasma gondii* PCR** Used to evaluate for the presence of *Toxoplasma gondii* in cases where toxoplasmosis is suspected. Note: preferred specimens include whole blood, bronchoalveolar lavage, transtracheal wash, or lymph nodes aspirate.	**0.5 mL whole blood (EDTA) OR transtracheal wash, OR BAL, OR lymph node aspirate**	**9-12 days**
CS85030	**Toxoplasmosis IgG/IgM** *Toxoplasma* IgG, *Toxoplasma* IgM Detection of IgG and IgM antibodies to *Toxoplasma gondii*. Note: when submitting CSF, it is recommended that serum be submitted as well.	**1.0 mL serum (canine) in red top or serum separator tube**	**7-10 days**
CS85819	***Tritrichomonas* PCR** Used to evaluate for the presence of *Tritrichomonas foetus* in the feces of a patient with the appropriate clinical signs. Note: feces should be diarrheic and not be contaminated with cat litter. Fecal samples collected using a fecal loop are preferred.	**0.3 grams feces in Antech provided container**	**1-2 days**
CS16581	**Vaccine Panel (Panleukopenia, Rhino, Calici)** Feline Panleukopenia, Rhinotracheitis, and Calicivirus Vaccinal Titers This is a semi-quantitative titer that is correlated to the amount of protective humoral antibody present in relation to previous feline panleukopenia, rhinotracheitis, and calicivirus vaccination.	**2.5 mL serum in red top or serum separator tube**	**3-15 days**
CADD250	**Add-on *Giardia* (ELISA)** The *Giardia* antigen capture Enzyme- linked Immunosorbent Assay (ELISA) is a fecal procedure designed to detect a *Giardia* specific antigen.	**4 grams feces in Antech provided fecal container**	**1-2 days**
CT808	***Giardia* and Ova & Parasite with Centrifugation** Fecal ova and parasites and *Giardia* Ag detection by ELISA. O&P samples are appropriately mixed with zinc sulfate solution, centrifuged, followed by flotation and slide evaluation. *Giardia* ELISA is considered more sensitive than a single flotation test. Note: sample should be evaluated within 24 hours of collection. If a worm has been identified in the sample, separate the worm and place in a container labeled Worm in black. Additionally, mark Worm on the TRF being submitted with the sample.	**6 grams fresh fecal specimen in Antech provided fecal container**	**1-2 days**

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MICROBIOLOGY

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM010	**Acid Fast Stain - Micro** Acid-fast stain applied to an air-dried smear to determine if mycobacteria present in sample provided. Note: air dried smear is the preferred sample submission.	**1 air-dried smear**	**1-3 days**
CADD210	**Add-on Urine Culture MIC** Includes culture and sensitivity *FIRST*ract is a rapid urine culture analysis that allows for rapid bacterial growth (within 5 hours) and subsequent reporting of a positive or negative result in under 24 hours. A positive result will be immediately plated for bacterial identification and antimicrobial sensitivity testing. Interferences: patient should be off antibiotics for seven to ten days prior to urine culture.	**0.5 mL cystocentesis, clean catch or catheterized urine in sterile red top tube or urine transport tube,**	**1-3 days** Preliminary reports available every 24 hours. Canine urine culture final result available in 48 hours. Feline urine culture final result available in 72 hours. If a fastidious organims is observed, the listed turnaround time may be extended.
CM020	**Aerobic Culture and MIC** Aerobic Culture and MIC sensitivity testing This test is used when an aerobic bacterial infection is suspected in a tissue or fluid. Interferences: 1. Patient should be off antibiotics for at least 7-10 days. 2. Fluid in lavender top tube is unacceptable (EDTA inhibits growth). Note: tissue should be submitted in an RTT with a few drops of saline (to keep moist). Samples should be refrigerated prior to transportation to the laboratory. A separate sample should be submitted for each type of culture needed.	**Culturette from fluid (body cavity fluids), TTW, BAL, wound, lesion, or skin. Tissue sample in saline.** Culturette, red top or white top tube with fluid, or other sterile container. Samples collected in EDTA tube are not acceptable.	**3-4 days** Preliminary report available every 24 hours. Final culture result available in 72 hours. If a fastidious organism is observed, the listed turnaround time may be extended.

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM040	**Aerobic Culture and MIC and Anaerobic Culture** Aerobic culture with MIC sensitivity testing and anaerobic culture without sensitivities This test is used when a bacterial infection is suspected in a tissue or fluid, but it is uncertain whether an aerobic or an anaerobic organism is the cause. Interferences: 1. Patient should be off antibiotics for at least 7-10 days. 2. Fluid in lavender top tube is unacceptable (EDTA inhibits growth). Note: fluids should be submitted in a red top tube. Tissue should be submitted in an air-tight container for anaerobic culture. Samples should be refrigerated prior to submission. Sensitivities are not performed, but drugs of choice for anaerobes are provided as a guide.	**Culturette (aerobic and anaerobic) from fluid (body cavity fluids), TTW, BAL, wound, lesion, or skin. Tissue sample in saline.**	**3-5 days** Preliminary report available every 24 hours. Final culture result available in 72 hours.
CM030	**Anaerobic Culture** Anaerobic culture with identification of organism(s) This test is used when an anaerobic bacterial infection is suspected in a tissue or fluid. Interferences: sample with exposure to air (or sample that has dried) will preclude accurate testing. Note: fluids should be submitted in an RTT. Tissue should be submitted in an air-tight, sterile container (e.g., urine cup). No saline is necessary. Sensitivities are not performed, but drugs of choice for anaerobes are provided as a guide.	**Anaerobic culturette of fluid (body cavity fluids), TTW or BAL, wound, lesion. Tissue sample (at least 2 cm x 2 cm) in sterile, air tight container with saline.**	**3-5 days** Preliminary report available 3rd day. Final culture result available 4th day
CM060	**Blood Culture - Aerobic Only** Aerobic bacterial culture and MIC sensitivity testing This test is used when bacteremia caused by an aerobic bacteria is suspected. Single sample culture. Note: submit in BACTEC aerobic culture bottle. Clip fur and scrub venipuncture site for aseptic collection. Aim to collect 1.0 mL for cats and small dogs, 2-3 mL for larger dogs to be inoculated into 20 mL bottle. Don't unscrew caps on bottles. Remove the protective top and wipe visible parts of the rubber stopper with 70% ethanol. Allow stopper to dry or wipe with sterile gauze. Replace the drawing needle with a sterile needle before puncturing the rubber stopper, fill until vacuum stops, then gently invert the bottle to mix. Anticoagulants in the media will prevent blood from clotting.	**Whole blood collected in BD Bactec Blood Culture Bottle(BCB)**	**5-7 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM061	**Blood Culture - Aerobic/Anaerobic** Bacterial culture and MIC sensitivity testing This test is utilized when bacteremia is suspected. Submit a single sample in two separate BACTEC bottles as required for aerobic and anaerobic culture. Interferences: antibiotics. Note: submit two BACTEC culture bottles (pink label and gold label). Clip fur and scrub venipuncture site for aseptic collection. Aim to collect 1.0 mL for cats and small dogs, 2-3 mL for larger dogs to be inoculated into BacTec Peds Plus pink cap/strip bottle. Anaerobic blood culture bottles with orange cap/gold strip require 3-10 mL of blood. Don't unscrew caps on bottles. Remove the protective top and wipe visible parts of the rubber stopper with 70% ethanol. Allow stopper to dry or wipe with sterile gauze. Replace the drawing needle with a sterile needle before puncturing the rubber stopper, fill until the vacuum stops, then gently invert the bottle to mix. Anticoagulants in the media will prevent blood from clotting.	**Whole blood collected in two separate BD Bactec Blood Culture Bottle (BCB): 1 aerobic BD Bactec BCB and 1 anaerobic BD Bactec BCB**	**5-7 days**
CM062	**Serial Blood Culture X2** Bacterial culture and MIC Sensitivity testing Utilize this test when bacteremia is suspected. Aerobic/anaerobic cultures are obtained at two separate time points. Each single time point requires two separate BACTEC bottles as indicated for aerobic and anaerobic culture. Interferences: antibiotics. Note: submit two BACTEC culture bottles (pink label and gold label) for each time point. For each collection, clip fur and scrub venipuncture site for aseptic collection. Aim to collect 1.0 mL for cats and small dogs, 2-3 mL for larger dogs to be inoculated into BacTec Peds Plus pink cap/strip bottle. Anaerobic blood culture bottles with orange cap/gold strip require 3-10 mL of blood. Don't unscrew caps on bottles. Remove the protective top and wipe visible parts of the rubber stopper with 70% ethanol. Allow stopper to dry or wipe with sterile gauze. Replace the drawing needle with a sterile needle before puncturing the rubber stopper, fill until the vacuum stops, then gently invert the bottle to mix. Anticoagulants in the media will prevent blood from clotting.	**2 sets of aerobic and anaerobic Bactec blood culture bottles (one set for each single time point)**	**5-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM063	**Serial Blood Cultures X3** Bacterial culture and MIC Sensitivity testing Utilize this test when bacteremia is suspected. Aerobic/ anaerobic cultures are obtained at three separate time points. Each single time point requires two separate BACTEC bottles as indicated for aerobic and anaerobic culture. Interferences: antibiotics. Note: submit two BACTEC culture bottles (pink label and gold label) for each time point. For each collection, clip fur and scrub venipuncture site for aseptic collection. Aim to collect 1.0 mL for cats and small dogs, 2-3 mL for larger dogs to be inoculated into BacTec Peds Plus pink cap/strip bottle. Anaerobic blood culture bottles with orange cap/ gold strip require 3-10 mL of blood. Don't unscrew caps on bottles. Remove the protective top and wipe visible parts of the rubber stopper with 70% ethanol. Allow stopper to dry or wipe with sterile gauze. Replace the drawing needle with a sterile needle before puncturing the rubber stopper, fill until the vacuum stops, then gently invert the bottle to mix. Anticoagulants in the media will prevent blood from clotting.	**3 sets of aerobic and anaerobic Bactec blood culture bottles (one set for each single time point)**	**5-7 days**
CM050	**Culture (Aerobic & Fungal)** Aerobic culture with MIC sensitivity testing and fungal culture This test is used when an aerobic bacterial infection or fungal infection is suspected in a tissue or fluid. Note: Aerobic culture — fluid (pus, body cavity, transtracheal wash, bronchoalveolar lavage) should be submitted in a red top tube (no additive). Copan swabs from wounds, lesions, and fluids are acceptable. The tissue should be submitted in a red top tube with a few drops of saline. Fungal culture: hair, sputum, skin, and body fluids can be submitted in a sterile red top vacutainer tube or any sterile container without additives. DTM plates are acceptable for fungal ID. However, please indicate the source of the specimen plated.	**Aerobic culture: Culturette from body fluid, TTW, BAL, wound, lesion, or skin; tissue in saline. Fungal culture: Dry hair and skin scraping collected in a sterile red top or other sterile container without additive.**	**3-21 days**
CDTM	**Culture Dermatophytes** Fungal culture on DTM and Sabourad dextrose agar. Use this test to investigate ringworm (dermatophyte fungal infections) as a cause for skin lesions. Note: submit hair (10 hairs), skin scrapings, and nails in a container. Submit pre-inoculated DTM agar. In cases of fuzzy growth on the agar plate, use unit code CM082.	**Hair, nails, or skin scraping in plain container** Plain container or DTM bottle	**14-21 days** Preliminary report every 7 days. Final report available at 21 days (3 weeks)

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM070	**Culture ID** This test is for bacterial culture and identification only. No sensitivity is performed.	**Culturette from fluid (body cavity fluids), TTW, BAL, wound, lesion, skin, or environmental sample. Tissue sample in saline.** Culturette, red top or white top tube with fluid, or other sterile container. Samples collected in EDTA tube are not acceptable.	**2-4 days** If a fastidious culture organism is observed, the listed turnaround time may be extended.
CM225	**Culture, *Campylobacter*** Use this test when a *Campylobacter* infection is suspected to be the cause of gastroenteritis that is not responding to conservative management. Interferences: antibiotic therapy, submission of a dried swab.	**2.0 grams feces in sterile container or in *Campylobacter*-Thioglycollate broth (Campy-Thio broth), or fecal swab**	**3-5 days**
CM080	**Culture, Fungal** Fungal culture and identification. Does not include sensitivity to antifungal medications. This test is for fungal culture and identification. Not for suspected ringworm infections. Note: submit hair, skin, nails, and bodily fluids on swabs or in sterile containers. For cases suspected of ringworm infection, use CM240 instead or consider ringworm PCR panel. If you are submitting a DTM plate with fuzzy growth, use code CM082.	**Dry hair, nails, skin scraping, body fluid, or lesion material collected in a sterile red top or other sterile container without additive, or on a culturette.** DTM bottle, culturette, container	**21 days** Preliminary report every 7 days. Final report available at 21 days (3 weeks), or upon identification
CM110	**Culture, *Mycoplasma*** Use this test when *Mycoplasma* infection is suspected. Interferences: antibiotics. Note: submit uterine, cervical, vaginal, lung tissue, mucus, semen, or fluids (tracheal wash, pericardial effusion, urine) in a sterile container or on a culturette/dry swab. Do not submit milk samples under this code (use 85694). Copan swabs can also be submitted but cannot be submitted in gel. Samples can also be submitted in Aimes transport media without charcoal.	**Culturette from body fluid, TTW, semen, fresh urine. Uterine, cervical, vaginal or lung tissue.** Blue swab	**7-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM130 **Add-on Equivalent CADD210**	**Culture, Urine** *FIRST*ract Urine Culture followed by plating in the case of a positIve result for bacterial identification and sensitivity All urine cultures deemed positive by *FIRST*ract, a highly accurate and rapid urine culture technique, will then undergo traditional culture for identification and susceptibility. Interferences: patient should be off antibiotics for seven to ten days prior to urine culture.	**0.5 mL cystocentesis, clean catch or catheterized urine insterile red top tube or urine transport tube** Urine transport tube, white top with urine	**1-3 days** Preliminary reports available every 24 hours. Canine urine culture final result available in 48 hours. Feline urine culture final result available in 72 hours. If a fastidious organism is observed, the listed turnaround time may be extended.
CM100	**Culture, Acid Fast Bacilli** Mycobacterial culture and acid fast staining only Use this test when a mycobacterial infection of fluid/tissue is suspected. Interferences: antimicrobials.	**Urine, CSF, sputum, or tissue in sterile container or Copan swab (without contact with gel)** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**8 Weeks**
CM125	**Fecal Culture** Testing for *Salmonella*, Shigella, and *Campylobacter* as well as other pathogens, reported as positive or negative. Sensitivity provided for *Salmonella* and Shigella isolates. Culture specifically evaluates for *Salmonella*, Shigella and *Campylobacter* spp. Fecal PCR testing is more sensitive and tests for a broader array of potential pathogens.	**2.0 grams feces in Antech provided fecal container**	**3-4 days** Preliminary report every 24 hours. Final report available in 72 hours
CM090	**Gram Stain** This test is used to investigate the presence and morphology of bacteria, yeast, and fungi. Note: place specimen on a slide or material to prepare a slide. Store at room temperature.	**Prepared smear, copan swab or culturette from fluid (body cavity fluids, TTW or BAL), feces, urine transport tube, or wound or lesion material.** Culturette, slide holder	**1-2 days**

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PATHOLOGY

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CBMBC	**Bone Marrow Core Biopsy** The histopathological evaluation of a bone marrow core biopsy. A CBC submitted at the time of the bone marrow sampling is utilized in the interpretation of the bone marrow evaluation to allow for a more complete assessment of the hematopoietic system. A detailed history and time course of events will further aid the pathologist in the interpretation of the findings.	**Bone marrow tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**3-5 business days**
CBONE	**Bone Marrow Cytology** This test includes a microscopic evaluation of bone marrow. The report includes descriptions of cellularity, assessment of cell lineage, and pathologist comments. Note: for maximal diagnostic utility, a CBC should be submitted at the time of bone marrow sampling. Additionally, submission of a core biopsy along with an aspirate is necessary for a complete bone marrow evaluation. If submitting bone marrow aspirate slides and a core biopsy sample (formalin), ensure that the formalin sample is in a separate zip lock bag.	**4 to 5 air dried bone marrow slides or bone marrow sample in lavender top tube** Lavender top, slide holder	**1-3 days**
CT325	**Buffy Coat for Mast Cells** Buffy Coat Cytology for Mat Cells Used to assess for the presence of mast cells, evaluate for hemoparasites/infectious agents, or to do a differential on a complete blood count with low white cells.	**1.0 mL EDTA whole blood in lavender top tube**	**1-3 days**
CS86793	**Canine Melanoma Diagnostic Panel**	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**2 Weeks**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS86792	**Canine Melanoma Prognostic Panel**	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**2 Weeks**
CCYTO	**Cytology** Includes preparation of submitted sample and microscopic interpretation by clinical pathologist Testing includes a microscopic evaluation of cells. The report includes cytologic interpretation, diagnosis, and comments regarding the etiology and biological behavior where applicable. Note: single source.	**2 or more air-dried, unstained slides with clinical history** Lavender top with fluid, red top with fluid, air-dried unstained slides	**1-3 days**
CDERM	**Dermatopathology Consult** Includes preparation of sample and microscopic interpretation by an anatomical pathologist This specialty biopsy is supported by a team of board-certified anatomic pathologists with a specialization in dermatopathology.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**5-7 days**
CFLUA	**Fluid Analysis** Includes preparation of submitted sample, Cell Count (WBC & RBC), Specific Gravity, Protein measurement, and microscopic interpretation by clinical pathologist This is the appropriate test for the evaluation of fluids from a cavity or tissue space. The fluid will be characterized based on protein, specific gravity, white and red cells, and a pathologist will evaluate the fluid and provide a microscopic description and, when possible, diagnosis. Note: a comprehensive history should be included with the fluid analysis submission.	**1.0 mL body cavity fluid in lavender or red top tube with 2 unstained smears prepared from fluid** Red top with fluid, lavender top, air dried unstained slides	**1-3 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CFBX	**Histopathology** Preparation of submitted sample and microscopic interpretation by anatomic pathologist A boarded pathologist will evaluate the tissue submitted for Histopathology. A full written biopsy report will be provided, including source, history, description of submitted tissue, microscopic description, and diagnosis where possible. The pathologist's comments will include, where applicable, margin evaluation, grading, interpretation of special stains, and recommendations for further testing if needed. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock bag with the test requisition form. A comprehensive history should be included with each biopsy submission.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**3-5 business days**
CS86569	***Histoplasma capsulatum* Ag, EIA**	**2.0 mL urine in urine transport tube**	**7-9 days**
IHC1	**Immunohistochemistry 1 Stain** This test includes a single immunohistochemistry stain. It's an antibody-based method to detect a specific protein. Note: typically an Add-on test after histopathological evaluation of submitted tissue based on pathologist recommendations.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**10-14 days**
IHC2	**Immunohistochemistry 2 Stains** This test includes two immunohistochemistry stains. It's an antibody-based method to detect specific proteins. Note: typically an Add-on test after histopathological evaluation of submitted tissue based on pathologist recommendations.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**10-14 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
IHC3	**Immunohistochemistry 3 Stains** This test includes three immunohistochemistry stains. It's an antibody-based method to detect specific proteins. Note: typically an Add-on test after histopathological evaluation of submitted tissue based on pathologist recommendations.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**10-14 days**
IHC4	**Immunohistochemistry 4 Stains** This test includes four immunohistochemistry stains. It's an antibody-based method to detect specific proteins. Note: typically an Add-on test after histopathological evaluation of submitted tissue based on pathologist recommendations.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**10-14 days**
IHC5	**Immunohistochemistry 5 Stains** This test includes five immunohistochemistry stains. It's an antibody-based method to detect specific proteins. Note: typically an Add-on test after histopathological evaluation of submitted tissue based on pathologist recommendations.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**10-14 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CFBXORL	**Oral Path Biopsy** Preparation of each submitted oral tissue sample and microscopic interpretation by anatomic pathologist A boarded pathologist with a special interest in oral cavity pathology will evaluate the tissue. A full written biopsy report will be provided, including source, history, description of submitted tissue, microscopic description, and diagnosis where possible. Additionally, a dentist will provide a treatment plan based on the histopathology or recommendations for further diagnostic evaluation. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock/ sealable bag with the test requisition form. A comprehensive history should be included with each biopsy submission.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**3-5 business days**
CFBXNEO	**Pet Cancer Specialty Biopsy** This specialty biopsy service is comprised of a team of six board-certified anatomic pathologists with specialization in cancer. The biopsy is reviewed by three of these pathologists including one report written with a consensus opinion. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock/ sealable bag with the test requisition form. A comprehensive history should be included with each biopsy submission.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**3-5 business days**
CFBXLSP	**Superliver (Liver Biopsy with Liver Staining Panel)** Liver Biopsy with Liver Staining Panel The tissue will be evaluated by a boarded pathologist with a special interest in hepatic disease. A full written biopsy report will be provided, including source, history, description of submitted tissue, microscopic description, and diagnosis where possible. Trichrome, rhodanine, and reticulum staining and interpretation are included. The report will include the staging of fibrosis, evaluation of the degree of parenchymal collapse, and a qualitative copper grade. Internal pathologist to pathologist opinions are sought when needed. There is an option for further discussion with an internal medicine consultant with a special interest in hepatic disease. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock/ sealable bag with the test requisition form. A comprehensive history should be included with each biopsy submission, including the breed, age, and time when liver values were first noted to be elevated. Additional diagnostics performed as well as responses to any specific treatments should be included in the history.	**Liver tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin.	**3-5 business days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CFBXTBR	**Tumor Board Review Biopsy** Preparation of each submitted sample and microscopic interpretation by anatomic pathologist A second opinion review of an Antech or other lab biopsy case performed by three pet cancer specialty pathologists (Tumor Board), with one report containing consensus opinion of all three specialists. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock/ sealable bag with the test requisition form. A comprehensive history should be included with each biopsy submission.	**Slides prepared from a previous histopathology sample submission.** Formalin container	**3-5 business days**
CS11068 - SearchLight DNA® Histology Add-on **CS10058 - SearchLight DNA® Cytology Add-on**	**SearchLight DNA®** SearchLight DNA® is an Add-on test to any biopsy or cytology where cancer is suspected or diagnosed. This test provides precision diagnostic, prognostic, and therapeutic guidance for multiple types of cancers. This canine cancer genomic panel identifies mutations in 120 relevant cancer genes and provides insights into cancer's origin, behavior, and the optimal approach for treatment. Report includes: • Information about mutations in 120 cancer genes including diagnostic, prognostic, and therapeutic biomarker associations with supporting evidence from peer-reviewed literature, clinical consensus, and inference from human FDA guidance. • Pharmacogenomic marker (MDR1) mutation status. • A list of targeted therapeutic drug(s) if the patient's tumor mutations are a match for an existing drug. • Information on clinical trials by tumor type curated from public databases and individual academic centers by Vidium Animal Health. To order SearchLight DNA®, please contact customer service. Note: SearchLight DNA® can only be added to a biopsy or cytology performed at Antech where neoplasia has been diagnosed or suspected.	**Fine-Needle Aspirate (FNA) Samples:** FNA Slides - ≥2 unstained or stained slides + 1 Diffquick FNA Liquid - ≥0.5 mL in sterile vial/tube with no additives **Biopsy Samples:** Formalin-Fixed, Paraffin-Embedded (FFPE) Scrolls – 10 x 10- micron sections with 1 adjacent hematoxylin and eosin (H&E) slide Unstained FFPE Slides – 10 x 10-micron sections with 1 adjacent H&E slide Bone Tumor – Non-decalcified sample	**12-17 days**

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MOLECULAR

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT1025	**CADET® *BRAF*** CADET *BRAF*. Includes CADET *BRAF*-PLUS when reflexed based on CADET *BRAF* result A non-invasive, highly sensitive assay that evaluates free-catch urine samples from dogs for the presence of cells harboring the b-raf mutation or specific copy number variations associated with Transitional Cell Carcinoma/ Urothelial Carcinoma/ Prostatic carcinoma. The assay identifies 95% of TCC/UC cases. It can be used to diagnose TCC/UC and monitor dogs undergoing treatment for remission and relapse. Interferences: cystocentesis drawn urine. Radiation and Chemotherapy are not interferences for the Cadet *BRAF*/*BRAF* Plus test assay; however, they may affect the tumor itself which may influence results. Note: urine sample should be free catch. Do not freeze.	**40 mL urine collected in CADET *BRAF* urine container** CADET *BRAF* container (urine must be put in *BRAF* container within 15 minutes of collection and can be collected over multiple days)	**3-6 days**
CT980	**Canine *Ehrlichia/Anaplasma* PCR** *Anaplasma phagocytophilum, Anaplasma platys, Ehrlichia canis, Ehrlichia chaffeensis, Ehrlichia ewingii* A comprehensive PCR panel used when the clinical signs are suggestive of Anaplasmosis or Erhlichiosis. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**1.0 mL whole blood, synovial fluid or CSF** Lavender top, white top with fluid, CSF	**3-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT950	**Canine GI PCR Panel** *Campylobacter jejuni/coli*, canine enteric coronavirus, canine parvovirus, *Clostridium difficile* toxins A/B, *Clostridium perfringens* enterotoxin, *Cryptosporidium* spp., *Giardia* spp., *Salmonella* spp. Highly sensitive and specific panel used to evaluate for viral (canine enteric coronavirus, canine parvovirus, and canine rotavirus), bacterial (*Campylobacter* spp., *Clostridium* spp. and *Salmonella* spp.) and protozoal (*Giardia* spp. and Cryptosporidum spp.) causes for the gastrointestinal signs exhibited by the patient. Interferences: previous or current antibiotic usage may interfere with PCR test results for protozoal or bacterial organisms. Note: follow-up cultures are immediately performed on submissions found to be PCR-positive for *Salmonella* (when a Copan fecal swab is received by the laboratory). Additionally, samples found to be PCR-positive for DNA of *C. perfringens* enterotoxin or *C. difficile* toxins are immediately tested for these toxins by ELISA.	**0.5 grams feces and 1 copan fecal swab** Culturette, Antech provided fecal container	**3-5 days**
CT953	**Canine GI PCR with SARS CoV-2 PCR Panel** Canine GI PCR Panel, SARS-CoV-2 PCR Add-on Panel Canine GI PCR panel to which evaluation for SARS-CoV-2 PCR has been added to determine whether the gastrointestinal signs being exhibited could be related to the typical etiologic agents or potentially SARS-CoV-2. Interferences: previous or current antibiotic usage may interfere with PCR test results for protozoal or bacterial organisms. Note: follow-up cultures are immediately performed on submissions found to be PCR-positive for *Salmonella* (when a Copan fecal swab is received by the laboratory). Additionally, samples found to be PCR-positive for DNA of *C. perfringens* enterotoxin or *C. difficile* toxins are immediately tested for these toxins by ELISA.	**0.5 grams feces and 1 copan fecal swab, conjunctival or nasal swab** Culturette, Antech provided fecal container	**3-11 days**
CS8710	**Canine Parvovirus PCR** Detection of canine parvovirus in whole blood, feces or tissues. Note: vaccination for canine parvovirus within the previous 2-3 weeks may result in false positive results.	**2.0 - 3.0 mL EDTA whole blood in lavender top tube OR 1-2 grams feces OR small tissue in red top**	**7-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT995	**Canine Respiratory PCR Panel** Canine influenza virus (H3N8), Pan Influenza (detects all Influenza Type A, including H3N2; when positive, confirmation by H3N2 specific qPCR), H5N1 influenza virus, canine adenovirus type 2, canine distemper virus, canine herpesvirus, canine parainfluenza virus, canine resp. coronavirus, *Bordetella bronchiseptica*, *Mycoplasma cynos*, *Streptococcus equi* subsp. *zooepidemicus* A highly sensitive and specific panel covering the more common etiological agents causing acute respiratory signs in dogs. Includes Distemper, Parainfluenza, Respiratory coronavirus, Canine influenza (H3N8), Influenza (H5N1), PanInfluenza, Herpes, Adenovirus Type 2, Bordatella *bronchiseptica*, *Mycoplasma cynos*, and *Streptococcus zooepidemicus*. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**2 Sterile Swabs (nasal, deep pharyngeal or conjunctival) for PCR (submitted dry without transport media) and 1 Copan Swabin Gel for Bordatella culture. All swabs sampled from samesite.** Culturette and 2 swabs in white tube	**3-5 days**
CT998	**Canine Respiratory PCR with SARS CoV-2 PCR Panel** Canine Respiratory PCR Panel(Canine influenza virus (H3N8), Pan Influenza (detects all Influenza Type A, including H3N2; when positive, confirmation by H3N2 specific qPCR), H5N1 influenza virus, canine adenovirus type 2, canine distemper virus, canine herpesvirus, canine parainfluenza virus, canine resp. coronavirus, *Bordetella bronchiseptica*, *Mycoplasma cynos*, *Streptococcus equi* subsp. *zooepidemicus*), SARS-CoV-2 PCR Add-on Panel Canine Respiratory PCR panel to which evaluation for SARS-CoV-2 PCR has been added to determine whether the respiratory signs being exhibited could be related to the typical etiologic agents (see T995) or potentially SARS-CoV-2. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**2 Sterile Swabs (nasal, deep pharyngeal or conjunctival) for PCR (submitted dry without transport media) and 1 Copan Swab in Gel for Bordatella culture. All swabs sampled from same site.** Culturette and 2 swabs in white tube	**3-11 days**
CT960	**Canine Tick Borne PCR Panel** *Anaplasma phagocytophilum*, *Anaplasma platys*, *Babesia canis*, *Babesia* sp. (Coco), *Babesia conradae*, *Babesia gibsoni*, *Bartonella henselae*, *Bartonella* vinsonii, *Ehrlichia canis*, *Ehrlichia chaffeensis*, *Ehrlichia ewingii*, *Mycoplasma haemocanis*, Cand. M. haematoparuvm, *Neorickettsia risticii* A highly sensitive and specific panel used to evaluate for the evidence of infection in cases suspected of having a vector-borne disease. Includes *Anaplasma phagocytophilum*, *Anaplasma platys*, *Babesia canis*, *Babesia* spp. (non *canis*), *Bartonella henselae*, *Bartonella* vinsonii, *Ehrlichia canis*, *Ehrlichia* spp. (non-*canis*), *Mycoplasma* heamo*canis*/ heamatoparvum, *Neorickettsia risticii*, and *Rickettsia* rickettsii. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**1.0 mL of EDTA whole blood in lavender top tube**	**3-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT961	**Canine Tick Borne PCR with Lyme** Canine Tick Borne PCR Panel, Lyme Titer IgG Canine Tick Borne PCR panel (T960) to which Lyme IgG has been added. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**1.0 mL of EDTA whole blood and 0.2 mL of serum in red top tube** Lavender top, red top or green top	**3-5 days**
CT982	**Canine/Feline Ringworm PCR Panel** *Microsporum* spp., *M. canis, M. gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. mentagrophytes* (*Arthroderma benhamiae, A. vanbreuseghemii*) A highly sensitive and specific test used when clinical signs are suggestive of ringworm infection.	**Minimum of 10 plucked hair with roots, skin scraping, ortooth brush sample in sterile, dry container free of liquidsor preservative** Hair, toothbrush, DTM	**5-7 days**
CT986	**Canine/Feline Ringworm PCR with Dermatophyte Culture** PCR for *Microsporum* spp., *M. canis, M. gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. mentagrophytes* (*Arthroderma benhamiae, A. vanbreuseghemii*), and dermatophyte culture Evaluation for ringworm infection via both PCR and standard culture.	**Minimum of 12 plucked hair with roots, skin scraping, or tooth brush sample in sterile, dry container free of liquids or preservative** Hair, toothbrush, DTM	**5-21 days**
CT965	**Feline Flea and Tick Borne PCR** *Anaplasma phagocytophilum, Bartonella* clarridgeiae, *Bartonella henselae, Bartonella* quintana, *Ehrlichia* spp., *Mycoplasma haemofelis, Candidatus M. haemominutum, Candidatus M. turicensis, Rickettsia felis, Rickettsia ricketsii* A vector borne disease panel that evaluates for the presence of *Anaplasma phagocytophilum, Bartonella henselae, Bartonella* clarridgeai, *Bartonella* quintana, Erhlichia spp, *Mycoplasma* hemo*felis, Mycoplasma haemominutum, Mycoplasma turicensis, Rickettsia* rickettsii and *Rickettsia felis* by PCR Interferences: previous or current antibiotic usage may interfere with PCR test results.	**1.0 mL of whole blood in lavender top tube**	**3-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT955	**Feline GI PCR Panel** *Campylobacter coli, Campylobacter jejuni, Clostridium difficile* toxins A/B, *Clostridium perfringens* enterotoxin, *Cryptosporidium* spp. and *C. felis*, feline parvovirus, *Giardia* spp. *Salmonella* spp. *Tritrichomonas foetus* Highly sensitive and specific panel used to evaluate for viral (feline panleukopenia), bacterial (*Campylobacter* spp, *Clostridium* spp toxins, and *Salmonella* spp.) and protozoal (*Giardia* spp., *Tritrichomonas foetus* and Cryptosporidum spp.) causes for the gastrointestinal signs exhibited by the patient by PCR. Interferences: previous or current antibiotic usage may interfere with PCR test results for protozoal or bacterial organisms. Note: follow-up cultures are immediately performed on submissions found to be PCR-positive for *Salmonella* (when a Copan fecal swab is received by the laboratory). Additionally, samples found to be PCR-positive for DNA of *C. perfringens* enterotoxin or *C. difficile* toxins are immediately tested for these toxins by ELISA.	**0.5 grams feces and 1 copan fecal swab** Culturette, Antech provided fecal container	**3-5 days**
CT958	**Feline GI PCR with SARS CoV-2 PCR Panel** Feline GI PCR Panel, SARS-CoV-2 PCR Add-on Panel Feline GI PCR panel (T955) to which evaluation for SARS-CoV-2 PCR has been added to determine whether the gastrointestinal signs being exhibited could be related to the typical etiologic agents or potentially SARS-CoV-2. Note: follow-up cultures are immediately performed on submissions found to be PCR-positive for *Salmonella* (when a Copan fecal swab is received by the laboratory). Additionally, samples found to be PCR-positive for DNA of *C. perfringens* enterotoxin or *C. difficile* toxins are immediately tested for these toxins by ELISA.	**0.5 grams feces and 1 copan fecal swab** Culturettes, Antech provided fecal container	**3-11 days**
CT985	**Feline Hemoplasma PCR Panel** *Mycoplasma haemofelis, Candidatus M. haemominutum, Candidatus M. turicensis* Used in the evaluation of a regenerative anemia where hemotropic *Mycoplasma* is a differential. PCR testing for the presence of *Mycoplasma haemofelis, Mycoplasma haemominutum*, and *Mycoplasma turicensis*. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**1.0 mL EDTA whole blood in lavender top tube**	**3-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT990	**Feline Respiratory PCR Panel** Feline calicivirus (FCV), Feline herpesvirus-1 (FHV-1), *Bordetella bronchiseptica*, *Chlamydophila felis*, *Mycoplasma felis*, H1N1 influenza virus. A high sensitive and specific panel covering the more common etiological agents associated with upper respiratory signs in cats. Includes feline calicivirus, feline herpesvirus 1, *Chlamydia felis*, *Mycoplasma felis*, *Bordetella bronchiseptica*, Influenza H1N1. Interferences: previous or current antibiotic/antiviral usage may interfere with PCR test results. Note: complimentary culture/susceptibility testing on all submissions PCR-positive for *Bordetella bronchiseptica* (when the laboratory receives a Copan swab).	**2 Sterile Swabs (nasal, deep pharyngeal or conjunctival) for PCR (submitted dry without transport media) and 1 Copan Swabin Gel for *Bordetella* culture. All swabs sampled from same site.** Culturette and 2 swabs in white tube	**3-5 days**
CT993	**Feline Respiratory PCR with SARS CoV-2 PCR Panel** Feline Respiratory PCR Panel, SARS-CoV-2 PCR Add-on Panel Feline Respiratory PCR panel (T990) to which evaluation for SARS-CoV-2 PCR has been added to determine whether the respiratory signs being exhibited could be related to the typical etiologic agents or potentially SARS-CoV-2. Interferences: previous or current antibiotic/ antiviral usage may interfere with PCR test results.	**2 Sterile Swabs (nasal, deep pharyngeal or conjunctival) for PCR (submitted dry without transport media) and 1 Copan Swabin Gel for *Bordetella* culture. All swabs sampled from same site.** Culturette and 2 swabs in white tube	**3-11 days**
CT600	**FIP mRNA PCR** This PCR test detects mRNA of the M gene of all known feline coronavirus strains in any sample. However, for diagnosis of FIP, only the detection of mRNA outside of the intestinal tract is indicative since active replication of the virus in circulating mononuclear cells is typical for FIP. Note: most common sample submission is peritoneal effusion that on fluid analysis is consistent with FIP. Other sample options include CSF, tissue, and tissue aspirates (lymph node, etc.).	**1.0 mL fresh fluid (body cavity, CSF, joint, milk, sputum,or urine) in EDTA (lavender top tube), EDTA whole blood,tissue samples in plain, non-additive tube (+/- saline), orunstained slides from aspirated tissue (i.e., lymph node,liver or kidney)**	**5-10 days**
CADD350	**KeyScreen® GI Parasite PCR Add-on** Detects the following parasites by PCR: *Ancylostoma* spp. (if positive evaluated for benzimidazole resistance by PCR), *Uncinaria stenocephala*, *Toxocara*/*Toxascaris* spp. (if *Toxocara* spp. positive further speciated into *T. canis*, *T. cati*, *T. leonina*), *Baylisascaris procyonis*, *Trichuris vulpis*, *Dipylidium caninum*, *Echinococcus granulosus*, *Echinococcus multilocularis*, *Taenia* spp., *Giardia duodenalis*, *Giardia* zoonotic (if positive evaluated for potentially zoonotic strains A and B), *Cystoisospora* spp., *Eimeria* spp., *Cryptosporidium canis*, *Cryptosporidium felis*, *Toxoplasma gondii* (feline specific), *Neospora caninum*, *Tritrichomonas blagburni* (feline specific).	**0.3 - 0.5 grams of fresh feces in Antech provided fecal container**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT991 **Add-on Equivalent CADD350**	**KeyScreen® GI Parasite PCR Panel** Detects the following parasites by PCR: *Ancylostoma* spp. (if positive evaluated for benzimidazole resistance by PCR), *Uncinaria stenocephala*, *Toxocara*/*Toxascaris* spp. (if *Toxocara* spp. positive further speciated into *T. canis*, *T. cati*, *T. leonina*), *Baylisascaris procyonis*, *Trichuris vulpis*, *Dipylidium caninum*, *Echinococcus granulosus*, *Echinococcus multilocularis*, *Taenia* spp., *Giardia duodenalis*, *Giardia* zoonotic (if positive evaluated for potentially zoonotic strains A and B), *Cystoisospora* spp., *Eimeria* spp., *Cryptosporidium canis*, *Cryptosporidium felis*, *Toxoplasma gondii* (feline specific), *Neospora caninum*, *Tritrichomonas blagburni* (feline specific). Detects 20 individual parasite species. Hookworms: • *Ancylostoma caninum* • *Uncinaria stenocephala* • *Ancylostoma* benzimidazole resistance Roundworms: • *Toxocara* spp. • *Toxocara canis* • *Toxocara cati* • *Toxascaris leonina* • *Baylisascaris procyonis* Whipworms: • *Trichuris* vulpis Tapeworms: • *Dipylidium caninum* • *Echinococcus granulosus* • *Echinococcus multilocularis* • *Taenia* spp. *Giardia* • *Giardia duodenalis* • *Giardia* zoonotic (strain A or B) Coccidia • *Cystoisospora* spp. • *Eimeria* spp. Additional Protozoa: • *Cryptosporidium canis* • *Cryptosporidium felis* • *Toxoplasma gondii* (feline specific) • *Neospora caninum* • *Tritrichomonas blagburni* (feline specific) If detected, *Toxocara* spp. will be identified at the species level as *T. cati*, *T. canis*, and *T. leonina*. *Ancylostoma caninum* will be evaluated for benzimidazole resistance, and *Giardia* evaluated for the potentially zoonotic strains A or B.	**0.3 grams of fresh feces in Antech provided fecal container (minimum 0.15 grams)**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT974	***Leptospira* PCR Blood** Canine *Leptospira* PCR - Blood: *Leptospira interrogans* serovars *icterohaemorrhagiae, canicola, pomona, australis, bratislava, autumnalis, ballum* and *pyrogenes, L. kirschneri* serovar *grippotyphosa, L. interrogans/borgpetersenii* serovar *sejroe* A highly sensitive and specific test used to evaluate patients suspected of having acute leptospirosis. *Leptospira* bacteremia is brief and is followed by bacteriuria. In cases where a patient has been ill anywhere from five days to two weeks, submission of blood and urine PCR will increase diagnostic sensitivity. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**0.5 mL EDTA whole blood in lavender top tube**	**3-5 days**
CT978	***Leptospira* PCR Blood/Urine** Canine *Leptospira* PCR Blood/Urine A highly sensitive and specific test used to evaluate patients suspected of having leptospirosis. *Leptospira* bacteremia is followed by bacteriuria. In cases where a patient has been ill anywhere from five days to two weeks, submission of blood and urine PCR will increase diagnostic sensitivity. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**0.5 mL EDTA whole blood and 2.0 mL urine** **Lavender top or blue top or green top, urine**	**3-5 days**
CT976	***Leptospira* PCR Urine** Canine *Leptospira* PCR - Urine: *Leptospira interrogans* serovars *icterohaemorrhagiae, canicola, pomona, australis, bratislava, autumnalis, ballum* and *pyrogenes, L. kirschneri* serovar *grippotyphosa, L. interrogans/borgpetersenii* serovar *sejroe* A highly sensitive and specific test used to evaluate patients suspected of having leptospirosis. *Leptospira* bacteremia is followed by bacteriuria. Urine usually becomes positive day 7-10 post-exposure in clinically ill patients. Interferences: previous or current antibiotic usage may interfere with PCR test results.	**2.0 mL urine in urine transport tube,**	**3-5 days**
CS14493	**OncoK9®** OncoK9®- Cancel Signal OncoK9® is a non-invasive multi-cancer early detection (MCED) liquid biopsy test for the detection and characterization of cancer-associated genomic alterations in DNA isolated from canine blood. Interferences: refrigeration, freezing; pregnancy; clots; hemolysis; trauma/surgery.	**Specific collection kit for this test is required and can be ordered on Antech Online. Two cell-free DNA collectiontubes, each with a minimum fill of 7 mL of whole blood,total of 14-17 mL whole blood.**	**12-17 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS85503	**PARR** PARR (PCR for Antigen Receptor Rearrangement) is an assay that amplifies DNA. This test helps differentiate between monoclonal cells (most consistent with neoplasia) or polyclonal cells (most consistent with a reactive process). Note: PARR cannot be run on formalin-fixed, paraffin-embedded samples/slides or slides that have coverslips attached to them. Non- diagnostic samples are obtained when there is too little DNA or in the presence of an inhibitor of the PCR reaction.	1. Blood and bone marrow: 0.5 mL EDTA whole blood or bone marrow sample in lavendertop tube. 4-5 very cellular bone marrow slides can also be submitted. Peripheral blood smears are not acceptable. If available, please provide a complete blood count withpathology review or cytology/histology report of the bonemarrow. 2. Lymph node and other organ aspirates: 4-5 cellular slides (smears or cytospins) or fluid in EDTA(lavender top tube). No additional fluid (i.e.,saline/serum) needs to be added to aspirated fluid. Gluedcover-slipped slides cannot be used. Stained cytology slidesare acceptable.If available, please provide a copy of relevant cytology and/or fluid analysis with submission. 3. Body cavity fluid: 4-5 cellular slides (smears or cytospins) or fluid in EDTA(lavender top tube).Stained cytology slides are acceptable. If available, please provide a copy of relevant cytologyand/or fluid analysis with submission. 4. CSF:Multiple cytospin preparations are preferred (stained orunstained) or fluid in EDTA (lavender top tube). For the sample to be diagnostic, it is estimated that 50,000 lymphoid cells are needed. If the CSF has a lymphocyte count of 100/uL, at least 0.5 mL of fluid is needed, or the cells from 0.5 mL spun onto slides. If available, please provide a copy of relevant cytologyand/or fluid analysis with submission. 5. Formalin-Fixed Paraffin Embedded (FFPE) Tissue:For this sample type, use code S86965 (Feline IntestinalLymphoma Panel performed at MSU) or S85562 (Lymphoma PanelPARR, performed at MSU). If specifically requesting thatPARR testing be performed on FFPE tissue at CSU, please usetest code S85503 and specify FFPE tissue for CSU PARR.	**7-9 business days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT984	**Rabbit/Small Rodent Ringworm PCR Panel** *Microsporum* spp., *M. equinum / canis, M. gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. benhamiae / mentagrophytes* (*Arthroderma benhamiae, A. vanbreuseghemii*) A highly sensitive and specific test used when clinical signs are suggestive of ringworm infection.	**Minimum of 10 plucked hair with roots, skin scraping, or tooth brush sample in sterile, dry container free of liquidsor preservative**	**5-7 days**
CT988	**Rabbit/Small Rodent Ringworm PCR with Dermatophyte Culture** *Microsporum* spp., *M. equinum / canis,* M. *gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. benhamiae / mentagrophytes* (*Arthroderma benhamiae,* A. *vanbreuseghemii*), Culture, Dermatophytes Evaluation for ringworm infection via both PCR and standard culture.	**Minimum of 12 plucked hair with roots, skin scraping, or tooth brush sample. For dermatophyte culture can also submit preinoculated DTM bottle.**	**5-21 days**
CT996	**SARS-CoV-2 PCR Add-on Panel** This test may be added to either a GI PCR or Respiratory PCR panel, where history may suggest that SARS-CoV-2 may be playing an etiological role. Note: not a standalone test. Must be an Add-on to Canine/Feline Respiratory or GI PCR.	**Conjuctival and deep pharyngeal swabs, nasal swab when combined with 2nd swab, nasopharyngeal or oropharyngeal aspirates or washes, bronchoalveolar lavage, tracheal aspirates, or fecal sample.** Culturette, fecal sample	**3-11 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS11068 - SearchLight DNA® Histology Add-on **CS10058 - SearchLight DNA® Cytology Add-on**	**SearchLight DNA®** SearchLight DNA® is an Add-on test to any biopsy or cytology where cancer is suspected or diagnosed. This test provides precision diagnostic, prognostic, and therapeutic guidance for multiple types of cancers. This canine cancer genomic panel identifies mutations in 120 relevant cancer genes and provides insights into cancer's origin, behavior, and the optimal approach for treatment. Report includes: • Information about mutations in 120 cancer genes including diagnostic, prognostic, and therapeutic biomarker associations with supporting evidence from peer-reviewed literature, clinical consensus, and inference from human FDA guidance. • Pharmacogenomic marker (MDR1) mutation status. • A list of targeted therapeutic drug(s) if the patient's tumor mutations are a match for an existing drug. • Information on clinical trials by tumor type curated from public databases and individual academic centers by Vidium Animal Health. To order SearchLight DNA®, please contact customer service. Note: SearchLight DNA® can only be added to a biopsy or cytology performed at Antech where neoplasia has been diagnosed or suspected.	**Fine-Needle Aspirate (FNA) Samples:** FNA Slides - ≥2 unstained or stained slides + 1 Diffquick FNA Liquid - ≥0.5 mL in sterile vial/tube with no additives **Biopsy Samples:** Formalin-Fixed, Paraffin-Embedded (FFPE) Scrolls – 10 x 10- micron sections with 1 adjacent hematoxylin and eosin (H&E) slide Unstained FFPE Slides – 10 x 10-micron sections with 1 adjacent H&E slide Bone Tumor – Non-decalcified sample	**12-17 days**
CS14497 **Add-on Equivalent CS14515**	**Canine Wisdom Panel™ Premium** Canine Wisdom Panel™ Premium DNA panel including: • 268 genetic health-associated variants (inc. MDR1 mutation, vWD) • 50+ physical trait variants • Breed background detection (350+ breeds) • Genetic diversity (heterozygosity) scoring • Genetic relatives matching with other dogs in the database Support with interpretation available from Wisdom Panel	**1 Canine Wisdom swab kit (2 swabs per kit)**	**14-21 days**
CS14498 **Add-on Equivalent CS14516**	**Feline Wisdom Panel™ Complete** Feline Wisdom Panel™ Complete DNA panel including: • 45 genetic health condition-related variants (inc. MDR1 mutation, Polycystic Kidney Disease) • 25 physical traits variants • Identifies genetic blood type • Provides breed (mix) identification (70+ breeds) • Genetic diversity (heterozygosity) scoring, and genetic relatives matching with other cats in the database Support with interpretation available from Wisdom veterinarians.	**1 Feline Wisdom swab kit (2 swabs per kit)**	**14-21 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS14515	**Canine Wisdom Panel™ Premium, Add-on** Canine Wisdom Panel™ Premium DNA panel including: • 268 genetic health-associated variants (inc. MDR1 mutation, vWD) • 50+ physical trait variants • Breed background detection (350+ breeds) • Genetic diversity (heterozygosity) scoring • Genetic relatives matching with other dogs in the database Support with interpretation available from Wisdom Panel	**1 Canine Wisdom swab kit (2 swabs per kit)**	**14-21 days**
CS14516	**Feline Wisdom Panel™ Complete, Add-on** Feline Wisdom Panel™ Complete DNA panel including: • 45 genetic health condition-related variants (inc. MDR1 mutation, Polycystic Kidney Disease) • 25 physical traits variants • Identifies genetic blood type • Provides breed (mix) identification (70+ breeds) • Genetic diversity (heterozygosity) scoring, and genetic relatives matching with other cats in the database Support with interpretation available from Wisdom veterinarians.	**1 Feline Wisdom swab kit (2 swabs per kit)**	**14-21 days**
CKS14497	**Canine Wisdom Panel™ with Keyscreen®** Canine Wisdom Panel™ Premium and 2x KeyScreen GI Parasite PCR Panel For Canine only. Wisdom Panel and first Keyscreen must be submitted at the same time. Follow up submissions must be for the same dog and include matching patient information. The follow up Keyscreen can be submitted within 365 days of the original. Call customer service for submission details: 1-800-341-3440, dial 0.	**1 Canine Wisdom swab kit (2 swabs per kit), 0.3 grams of fresh feces in Antech provided fecal container**	**1-21 days** 1-3 days for KeyScreen, 14-21 days for Wisdom Panel

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GENERAL

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16070	***Babesia canis*** Detects the presence of antibody to *Babesia canis*. Performed by IFA.	**0.5 mL serum in red top or serum separator tube**	**7-10 days**
CS16075	***Babesia gibsoni*** Detects the presence of antibody to *Babesia gibsoni*. Performed by IFA.	**0.5 mL serum in red top or serum separator tube**	**7-10 days**
CS16502	***Babesia gibsoni* IFA, Export** This test evaluates the presence of antibodies to *Babesia gibsoni,* as required for export to specific countries. Ensure export test requirements prior to test submission.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS85889	***Bartonella henselae*, ELISA** Evaluation of antibody indicating previous exposure to *Bartonella henselae* or *Bartonella* clarridgeiae (ELISA methodology). Note: recently infected cats may not have seroconverted. Titer magnitude does not prove current infection or relevant clinical disease. Active infection is suggested by a rising titer (a four-fold increase over two weeks).	**0.5 mL serum in red top or serum separator tube**	**5-7 days**
CS16005	**Acetylcholine Receptor Antibody** Assessment for the presence of antibodies against the acetylcholine receptor. A positive result supports a diagnosis of generalized acquired Myaesthenia Gravis. Note: immunosuppressive therapy with corticosteroids instituted prior to submission of results may lower antibody levels and give a false negative result.	**1.0 mL serum in red top or serum separator tube**	**9-11 days**
CADD270	**Add-on Distemper/Parvo Vacc Titer** Distemper Vaccinal Titer, Parvovirus Vaccinal Titer This test detects IgG antibodies against canine parvovirus and canine distemper virus using ELISA. Results are reported as positive (protective) or negative (insufficient neutralizing antibody detected). Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**3-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CADD280	**Add-on Panleukopenia** Panleukopenia Vaccine Titer The test detects IgG antibodies against Panleukopenia via Immunofluorescent antibody assessment (IFA).	**0.5 mL serum in red top or serum separator tube**	**3-5 days**
CADD130	**Add-on Protein Electrophoresis** Total protein, Albumin, Globulin, Alpha 1, Alpha 2, Beta 1, and Gamma 1 fraction assessment with interpretation. An evaluation of the globulin fraction of the serum (alpha 1, alpha 2, beta, and gamma) to determine if the globulin fraction is monoclonal based on these components. Interferences: hemolysis may interfere with results, particularly the Beta globulin fraction.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT010	**Albumin** Interferences: marked hemolysis or lipemia. marked lipemia can cuase false elevations. Oxalate anticoagulants interfere with albumin assessment.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT020	**Alkaline Phosphatase** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT215	**Alkaline Phosphatase Isoenzymes** Alkaline phosphatase, steroid induced alkaline phosphatase, percent steroid induced alkaline phosphatase This evaluates the percentage of steroid-induced alkaline phosphatase in the serum relative to the total serum alkaline phosphatase. Elevation of steroid-induced alkaline phosphatase is not specific for hyperadrenocorticism and is of limited diagnostic utility in the diagnosis of this disease.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT030	**ALT (SGPT)** Alanine aminotransferase Interferences: marked hemolysis or lipemia. Serum or plasma should be separated within 1 hour of draw.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT040	**Amylase** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT050	**Amylase and Lipase (PSL)** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT515	**ANA (Antinuclear Antibodies) Titer** Then Antinuclear Antibody test is a titer test used as part of the Systemic Lupus Erythematosus (SLE) evaluation in patients with appropriate history, clinical signs, and other laboratory findings. Positive ANA titers are most commonly seen in pets with Systemic Lupus Erythematosus. However, positive results can be seen sometimes in pets with other auto-immune disorders (e.g., Rheumatoid arthritis), inflammatory/ infectious disease, or neoplasia. Many medications are also known to cause positive ANA results. Canine and feline samples only. Interferences: marked hemolysis and lipemia. Note: canine and feline only.	**0.5 mL serum in red top or derum separator tube**	**2-4 days**
CS16040	**Anticoagulant Screen** Use test when ingestion of warfarin, bromadiolone, coumachlor, brodifacoum, diphacinone, chlorophacinone, or difethialone is suspected. Note: send out test requiring serum, stomach contents, bait, or frozen liver tissue.	**5.0 mL serum, 20 grams stomach contents or bait, or 10 gramsof frozen unfixed liver**	**7-14 days**
CT060	**AST (SGOT)** Aspartate aminotransferase Interferences: marked hemolysis and lipemia. Serum or plasma should be separated within 1 hour of draw and centrifuged.	**0.5 mL serum in red top or spun serum separator tube**	**Daily** Performed each shift
CSA170	**Autoimmune Profile 1** CBC, Antinuclear Antibodies (ANA), and Direct Coombs' Test Warm An autoimmune panel evaluating a complete blood count, Direct Coombs test warm, and Antinuclear antibodies. Interferences: marked hemolysis and lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** **Serum in red top or serum separator tube, lavender top**	**2-5 days**
CT840	**B-12** Cobalamin level. Generally used as part of a larger panel when evaluating for malassimilation/maldigestion. Note: ideally freeze and ship on ice. Otherwise submit fresh on ice.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CS16195	**B12, Folate** Cobalamin and folate level. Use this test to evaluate intestinal diseases in dogs and cats. Additional measurement of TLI is recommended to ensure the most accurate interpretation of results. Note: pets should fast overnight prior to sampling. Hemolysis can affect folate results. Previous vitamin supplementation will cause elevated concentrations. Send/ship test on ice packs.	**0.5 mL serum in red top or serum separator tube**	**2-5days**
CT115	**Bicarbonate** Interferences: marked hemolysis or lipemia. Serum stable for 1 hour in an ice bath prior. Due to the instability of CO2 in specimens, low levels may not be accurate. Most accurately done within minutes after drawing and on blood gas analyzer.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift

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CT070	**Bilirubin, Direct** Interferences: marked hemolysis or lipemia. Lipemia can falsely increase results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT090	**Bilirubin, Total** Interferences: marked hemolysis or lipemia. Lipemia can falsely increase results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT520	**Bladder Tumor Analytes** This test may be used as an adjunct in the diagnosis oftransitional cell carcinomas (TCC). The test is a reasonablysensitive (~90%) but not a specific test for TCC. Consider CADET *BRAF* (T1025). Interferences: false-positive results may occur in the presence of proteinuria, aciduria, urinary tract infection, and hematuria. An alternative test to consider is the CADET *BRAF* if looking for a non-invasive diagnostic test with a far higher sensitivity (95%) and specificity (99%).	**2.0 mL urine in urine transport tube,**	**2-4 days**
CT525	**Blastomyces Antibody** To investigate the possibility of blastomycosis as the cause of clinical signs. Interferences: marked hemolysis or lipemia. Note: test is reported as positive or negative. No titer is given.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CS86293	**Blastomyces Quantitative Ag Assay** Blastomyces dermatitidis Ag, EIA An antigen test used to diagnose blastomycosis.	**2.0 mL urine in urine transport tube,**	**7-9 days**
CS16003	***Brucella* Titer For Export (KSU)** Evaluation for antibody suggestive of *Brucella canis* exposure. *Brucella canis* antibody evaluation is performed by serum agglutination. The test is typically used when required for export. Canine only. Note: Clearly write microchip number on the test requisition form (TRF) and on submitted sample tube.	**1.0 mL serum in red top tube or serum separator tube**	**7-10 days**
CT105	**BUN/Creatinine** BUN, Creatinine with SDMA and BUN/Creat Ratio BUN, creatinine, and SDMA for glomerular filtration rate estimation (see T1035). Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top tube or serum separator tube**	**Daily** Performed each shift
CS86344	**C Reactive Protein CRP** Note: valid in dogs only.	**1.0 mL serum in red top tube or serum separator tube**	**5-15 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA160	**Canine Maldigestion Profile** Cobalamin B12/Folate, TLI - Canine Cobalamin, folate, TLI Interferences: see individual components. Note: pet should fast overnight. Hemolysis of sample may affect folate results. Previous vitamin supplementation will cause elevated concentrations.	**1.0 mL serum in red top or serum separator tube**	**2-5 days**
CT1010	**Cardio BNP-Canine** Antech Cardio BNP - Canine This test provides a quantitative assessment of canine heart health by measuring the concentration of the carboxy terminal of the BNP peptide (cBNP), which is released by cardiac myocytes in response to stretch and stress. Note: draw 2.0 mL of whole blood into an LT tube, centrifuge for plasma, draw 0.5 mL plasma from the tube, and inject into closed BNP tube. Keep sample cold. It requires a specific BNP tube for submission.	**0.5 mL EDTA plasma injected into BNP tube**	**2-4 days**
CT120	**Chloride** Interferences: marked lipemia. Serum should be separated within 1 hour after draw.	**0.5 mL serum in red top or serum separator**	**Daily** Performed each shift
CT125	**Cholesterol** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator**	**Daily** Performed each shift
CT127	**Cholesterol, Triglycerides** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator**	**Daily** Performed each shift
CT235	**Cholinesterase-Serum** Test used to diagnose organophosphate toxicity.	**1.0 mL serum in red top or serum separator**	**7-10 days**
CSA275	**Cobalimine, Folate, TLI (Feline)** Cobalamin B12/Folate, TLI - Feline Used to further evaluate gastrointestinal signs where malassimilation and maldigestion are suspected. Note: pet should fast overnight. Hemolysis of sample may affect folate results. Previous vitamin supplementation will cause elevated concentrations.	**1.5 mL serum in red top or serum separator tube**	**1-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16210	**Copper Level** This is used to detect exposure to excessive copper. Note: submit sample on ice. In the case of a primary copper, hepatopathy only a quantitative copper on liver tissue combined with histopathology can confirm the diagnosis.	**1.0 mL serum or plasma, 5 grams fresh liver, 50 mg freshliver biopsy (approx. 3 Tru-Cut samples), 3.0 mL urine, or500 g Feed. For birds: 0.3 mL serum or plasma is adequate. For ruminants and camelids: 5 grams fresh kidneyis required.**	**10-15 days**
CS16215	**Copper Storage Disease** Tissue Copper Quantification To be used when a quantitative copper level is required on hepatic tissue. Note: a minimum of 5 grams of fresh liver in saline is the ideal sample.	**5 grams fresh liver tissue placed in saline**	**10-15 days**
S16225	**Corona Virus IgG and IgM** Evaluation for IgM and IgG antibody to canine coronavirus.	**0.5 mL serum in red top or serum separator tube**	**3-5 days**
CT130	**CPK** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CS7592	**CPK Isoenzymes** CPK Isoenzymes: CK- MM, CK- MB, CK- BB Evaluation of CPK isoenyzmes. Note: clinical utility of this test has not been validated in dogs and cats.	**0.5 mL serum in red top tube or plain transport tube**	**2-7 days**
CT135	**Creatinine** Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT340	**Crossmatch** Donor ID, Major and Minor Cross Match Screen for pre-existing antibodies directed against red cell antigens to determine serological compatibility prior to transfusion. If serum, as well as whole blood, is submitted. Both minor and major cross-match will be performed. This test is not intended for use in determining pre-breeding compatibility testing, neonatal isoerythrolysis, or the prevention of neonatal isoerythrolysis. Interferences: marked hemolysis and lipemia. Clotting or freezing of sample may preclude analysis. Use 1.0 mL whole blood and 1.0 mL of serum from the patient and prospective donor. Ensure all tubes are appropriately labeled as patient and donor.	**1.0 mL EDTA whole blood in lavender top tube and 1.0 mL serum in red top tube for recipient and each donor**	**2-4 days**
CT345	**Crossmatch Additional Donor 2** Donor ID, Major and Minor Cross Match Screens for pre-existing antibodies directed against red cell antigens to determine serological compatibility prior to transfusion. If serum, as well as whole blood, is submitted both minor and major cross-match will be performed. This test is not intended for use in determining pre-breeding compatibility testing, neonatal isoerythrolysis, or the prevention of neonatal isoerythrolysis. Interferences: marked hemolysis and lipemia, clotting or freezing of sample may preclude analysis. Note: this test must be used in addition to Cross Match - CT340.	**1.0 mL EDTA whole blood in lavender top tube and 1.0 mL serum in red top tube for recipient and each donor**	**2-4 days**
CSA350	**Crypto, *Giardia*, *Clostridium* Enterotoxin** *Clostridium* Perfringens Enterotoxin, *Giardia* (FA), *Cryptosporidium* (FA), *Giardia* ELISA A panel that can be considered when suspecting *Clostridium perfringens*, *Cryptosporidium* spp., or *Giardia* spp. as the cause for gastroenteritis. Submission includes *Cryptosporidium* spp. *Giardia* spp. evaluated by FA, *Clostridium* perfringes enterotoxin assessment and a *Giardia* ELISA Antigen detection.	**10 grams feces in Antech provided fecal container**	**2-7 days**
CT350	**D-Dimer** This test is used to measure the concentration of D dimers. Interferences: marked hemolysis or lipemia. Note: moderately to markedly lipemic samples can cause D dimer results to be spuriously decreased. Citrated Whole Blood (Blue Top Tube) or citrated plasma is the only acceptable sample. The tube should be >2/3rds filled. If submitting separated citrated plasma, label it as Citrated Plasma.	**0.5 mL citrated plasma or citrated whole blood in blue toptube at least 2/3rds full to the fill line**	**2-4 days** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16250	**Distemper Smear, FA** This test is helpful in making a diagnosis of distemper, in the absence of recent vaccination, when used in conjunction with clinical signs.	**EDTA whole blood in lavender top tube, or unstained peripheral blood, buffy coat or urine sediment smears** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**3-7 days**
CT560	**Distemper Vaccinal Titer** This test detects IgG antibodies against canine distemper virus. The result is reported as positive or negative. A titer is not reported. This test is not to be used in patients suspected to be ill from distemper virus infection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT675	**Distemper/Parvo End Point** Distemper IgG End PT Titer, Parvo IgG End Point This test provides an endpoint IgG titer for Canine Distemper and Canine Parvovirus exposure. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT565 **Add-on Equivalent CADD270**	**Distemper/Parvo Vaccine Titer** This test detects IgG antibodies against canine parvovirus and canine distemper virus using ELISA. Results are reported as positive (protective) or negative (insufficient neutralizing antibody detected).This test is not to be used in patient suspected of having distemper or parvovirus infection. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CSA280	**Feline Autoimmune Profile** CBC, Antinuclear Antibodies (ANA), Direct Coombs' Test Warm An autoimmune panel evaluating a complete blood count, Direct Coombs test warm, and Antinuclear antibodies. Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.5 mL EDTA whole blood** Serum in red top or serum separator tube, lavender top	**1-4 days**
CS16865	**FIV Antibody, Western Blot** This is a western blot test to detect antibodies directed against the Feline Immunodeficiency Virus. It may be used as a confirmatory test for the presence of antibodies against FIV. Note: does not differentiate cats infected with FIV from cats vaccinated against or kittens with passive transfer of antibodies against FIV from the queen.	**0.5 mL serum in red top or serum separator tube**	**2-5 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSA340	**Fungal Serology with Cocci** Fungal Serology (*Histoplasma*, Blastomyces, *Aspergillus*), Coccidioidomycosis Screen and Titer Detects the presence of antibodies to *Histoplasma*, Blastomyces, *Aspergillus*, and Coccidiodes spp. Interferences: marked lipemia. A titer is only reported for Coccidiodes. All other results are reported as positive or negative for antibody detection. Both the Blastomyces and *Histoplasma* antigen tests are preferred over antibody testing as a diagnostic test.	**1.0 mL serum in red top or serum separator tube**	**3-8 days**
CT790	***Giardia* ELISA/Crypto FA** *Giardia* ELISA, *Giardia* IFA, and *Cryptosporidium* IFA Evaluation for *Giardia* Ag (ELISA) and *Cryptosporidium* (FA) presence in stool. Note: *Giardia* FA is less sensitive than the *Giardia* ELISA and O&P tests. *Cryptosporidium* FA is likely more sensitive than an O&P test. The GI PCR panel would be preferred to either FA test with regards to sensitivity and specificity.	**5 grams fresh fecal specimen in Antech provided fecal container**	**2-5 days**
CT150	**Glucose** Interferences: hemolysis or lipemia. Hemolysis may cause false decreases in glucose. Lipemia may cause false increases in glucose.	**0.5 mL serum in red top or serum seaprator tube**	**Daily** Performed each shift
CSA140	**Heartworm Program 1** Miniscreen 4 Chem with Electrolytes, Heartworm Antigen Miniscreen chemistry and heartworm antigen detection. Interferences: marked hemolysis and lipemia.	**1.0 mL serum** **Serum in red top or serum separator**	**1-2 days**
CSA130	**Heartworm Program 2** Miniscreen 4 Chem, CBC, Heartworm Antigen Miniscreen chemistry, a complete blood count, and heartworm antigen detection. Interferences: marked hemolysis and lipemia.	**1.0 mL serum and 1.0 mL EDTA whole blood** **Serum in red top or serum separator tube, lavender top**	**1-2 days**
CS16400	**Herpes - Conjunctival Smear** Conjunctival smears are used to evaluate for the presence of herpes virus antigen in epithelial cells via immunofluorescence. Note: ensure slides have adequate cellularity.	**2 conjunctival smears**	**9-12 days**
CS86022	**Herpes Antibody, IFA** Detection of Herpes antibody by IFA.	**0.3 mL serum in red top or serum separator tube**	**5-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS17029	**Heska ALLERCEPT Environmental & Food Panel**	**3.0 mL serum in red top or serum separator tube**	**4-5 business days**
CS17026	**Heska ALLERCEPT Environmental Panel**	**2.0 mL serum in red top or serum separator tube**	**4-5 business days**
CS17028	**Heska ALLERCEPT Food Panel**	**1.0 mL serum in red top or serum separator tube**	**4-5 business days**
CS17027	**Heska Equine ALLERCEPT Panel**	**3.0 mL serum in red top or serum separator tube**	**4-5 business days**
CS16405	***Histoplasma* Titer** Detection of antibody indicating exposure to *Histoplasma* spp. Titer provided.	**1.0 mL serum in red top or serum separator tube**	**9-12 days**
CT660	**Immunoglobulins A, G, M** This test quantifies IgG, IgM and IgA levels by radial immunodiffusion in dogs. Interferences: marked hemolysis or lipemia. Note: reference intervals for adult dogs and cats have been established. However, if submitting serum for a young animal, age-matched controls should be submitted concurrently. References intervals for other species are provided by the manufacturer and are age-dependent. It is imperative to provide the entire signalment, including age, when submitting samples.	**0.5 mL serum in red top tube**	**7-9 days**
CS86102	**Influenza - Canine Convalescent** H3N8 and H3N2 influenza antibody detection Used to detect for the presence of antibody to H3N8 and H3N2 influenza viruses.	**1.0 mL serum in red top tube**	**10-15 days**
CT155	**Iron Serum** Interferences: marked hemolysis. Hemolysis can result in falsely increased iron levels.	**0.5 mL serum in red top tube or serum separator tube**	**2-4 days**
CT160	**Lactic Dehydrogenase** Lactate dehydrogenase (LDH) Interferences: hemolysis. Hemolysis or delayed separation can falsely elevate results.	**0.5 mL serum in red top tube or serum separator tube**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS5017	***Leptospira canicola*, Export** Serum assessed for antibodies to *Leptospira canicola* using microscopic agglutination test (MAT). Note: clearly write microchip number on the requisition form, sample tube, and KSU submission form.	**0.3 mL serum in red top tube or serum separator tube**	**10-15 days**
CT170	**Magnesium** Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CS16535	**Masticatory Muscle Myositis** Masticatory Muscle Myositis - 2M Antibody This test is used to diagnose masticatory myositis by detecting autoantibodies specifically directed against masticatory muscle proteins. Note: this assay may be negative if immunosuppresive dosages of cortisocosteroids have been given for longer that 7-10 days prior to test submission.	**1.0 mL serum in red top or serum separator tube**	**12-15 days**
CT810	**Occult Blood, Feces** This is a test for the detection of occult blood in fecal samples. The test is not highly sensitive and is dependent on the amount of heme present and how evenly the heme is spread throughout the sample. Note: diets of red meat, chicken, or fresh/uncooked vegetables may cause false-positive results and should not be eaten for 48 hours prior to testing.	**2 grams feces in Antech provided fecal container**	**1-2 days**
CS16575	**Osmolality - Serum** This may be of utility in the evaluation of the causes of PU/PD.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS85364	**Pancreatic Lipase Immunoreactivity** Measures concentrations of pancreatic lipase in the serum. Interferences: hemolysis. Note: a 12 hour fast is recommended prior to sample submission.	**0.5 mL serum in red top or serum separator tube**	**7-9 business days**
CS86468	**Pancreatitis Profile - Canine** Cobalamin B12/Folate, Canine cTLI, Pancreatic Lipase Immunoreactivity Includes cobalamin (B12), folate, trypsin like immunoreactivity (TLI), and pancreatic lipase immunoreactivity (cPLI). Note: pet should fast overnight. Hemolysis of sample may affect folate results. Previous vitamin supplementation will cause elevated concentrations.	**1.5 mL serum in red top or serum separator tube**	**2-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS86288	**Pancreatitis Profile - Feline** Cobalamin B12/Folate, Feline fTLI, Pancreatic Lipase Immunoreactivity Includes cobalamin (B12), folate, trypsin like immunoreactivity (TLI), and pancreatic lipase immunoreactivity (fPLI).	**1.5 mL serum in red top or serum separator tube**	**2-10 days**
CS16580 **Add-on Equivalent CADD280**	**Panleukopenia Titer IgG, IgM** This test evaluates for the presence of IgM and IgG antibodies to the feline panleukopenia virus. It will be positive either due to infection or vaccination against panleukopenia. Kittens may test positive due to transmammary transfer of antibodies. This test will also detect antibodies directed against canine parvovirus in cats infected with CPV-2a and CPV-2b. Interferences: marked hemolysis or lipemia (if unable to clear with centrifugation).	**0.5 mL serum in red top or serum separator tube**	**3-7 days**
CS16053 **Add-on Equivalent CADD280**	**Panleukopenia Vaccinal Titer** The test detects IgG antibodies against Panleukopenia via Immunofluorescent antibody assessment (IFA). A titer of 1:5 or greater, in the absence of clinical signs of disease, indicates an immunological response to vaccination. A vaccine titer of less than 1:5 indicates a low level of circulating antibodies. Interferences: marked hemolysis or lipemia (if unable to clear with centrifugation).	**0.5 mL serum in red top or serum separator tube**	**3-5 days**
CT825	**Parasite Identification** Note: document where on the animal the parasite was noted.	**Parasite sent in 70% ethanol. Include host species and body location where parasite was collected. If submitting slides with worms, place slides in a leak proof container with 70% ethanol. Other represenative sample types include feather, intestine, liver, fresh tissue, urine, wash/lavage, feces or vomitus)**	**10-12 days**
CT700	**Parvovirus Antibody/Antigen** Parvovirus Antigen, Canine Parvovirus Antibody Titer (IgM and IgG) Detects parvovirus antigen in fecal samples and evaluates a concurrent serum sample for IgM and IgG titers consistent with Canine Parvovirus exposure. Note: modified live virus vaccination for parvovirus may give false-positive results for about two weeks after vaccination. A negative test does not rule out parvovirus infection.	**0.5 mL serum and 5 grams feces** Serum in red top or serum separator tube, Antech provided fecal container	**1-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT705	**Parvovirus Vaccinal Titer** Used to evaluate current IgG levels to Parvovirus in light of previous vaccination. Interferences: marked hemolysis or lipemia. Note: not to be used in dogs with current or recent clinical signs of parvovirus infection as a positive may indicate response to infection rather than protection.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT180	**Phosphorus** Interferences: marked hemolysis or lipemia. Hemolysis or delayed separation will falsely increase results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT185	**Potassium** Interferences: hemolysis and marked lipemia. Hemolysis will falsely elevate results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT9810	**Relaxin** Relaxin is a hormone produced by the placenta, and detection of relaxin in serum or plasma is a sensitive and specific test for pregnancy in dogs and cats. Interferences: marked hemolysis.	**0.2 mL serum in red top or serum separator tube**	**2-3 days**
CS16702	**Rhinotrachitis Feline** Viral Neutralization Antibody Titer This is a semi-quantitative titer that is correlated to the amount of protective humoral antibody present in relation to previous feline rhinotracheitis vaccination (feline herpesvirus).	**1.0 mL serum in red top or serum separator tube**	**10-12 days**
CS16730	**Selenium Level** Interferences: marked hemolysis or lipemia.	**1.0 mL serum in red top or serum separator tube (spun), 1.0 mL EDTA whole blood in lavender top tube, or 10.0 grams offeed (representative sample)** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**7-10 days**
CT195	**Sodium** Interferences: marked hemolysis or lipemia. Hemolysis falsely elevates results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT200	**Sodium and Potassium** Sodium and potassium evaluation. Interferences: hemolysis and marked lipemia. Hemolysis will falsely elevate results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT485	**T3 Autoantibodies** Detection of T3 autoantibody is used to assess the presence of autoimmune thyroid disease. This test is less sensitive to autoimmune thyroid disease than the thyroglobulin autoantibody (TGAA) test.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CT500	**T4 Autoantibodies** Detection of T4 autoantibody is used to assess the presence of autoimmune thyroid disease. This test is less sensitive to autoimmune thyroid disease than the thyroglobulin autoantibody (TGAA) test.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**
CS16755	**Taurine** Measurement of taurine concentration in whole blood via HPLC. Note: do not fast prior to sample submission. Whole blood submitted in a green-top refrigerated is preferred. EDTA may also be used but taurine concentrations in EDTA anticoagulated blood will be slightly lower than in a GTT.	**1.0 mL heparinized whole blood in green top tube**	**10-15 days**
CSA330	**Tick Serology 1** *Ehrlichia canis*, Lyme Titer IgG, and Rocky Mountan Spotted Fever IFA Detects the presence of antibodies to *Ehrlichia canis*, *Borrelia burgdorferi* (Lyme), and Rocky Mountain Spotted fever. Interferences: marked hemolysis or lipemia.	**1.0 mL serum in red top or serum separator tube**	**2-5 days**
CS16800	**TLI, Feline** Trypsin-Like Immunoreactivity Use to confirm feline exocrine pancreatic insufficiency (EPI). Note: recommend fasting for 8-12 hours prior to drawing sample.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CT190	**Total Protein** Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT205	**Triglycerides** Interferences: marked hemolysis.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT230	**Trypsin-Like Immunoreac Canine cTLI** Canine Trypsin- Like Immunoreactivity (cTLI is) used to diagnose exocrine pancreatic insufficiency. Note: a 12-hour fast is required. Canine only.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT227	**Ur Bile Acid (UBA):Ur Creat (UCR)** Urine Bile Acid and Urine Creatinine Ratio Evaluation of the amount of urinary bile acid present with respect to creatinine. Note: urine containing ascorbic acid may result in false positive results.	**1.0 mL urine in urine transport tube**	**2-5 days**
CT100	**Urea Nitrogen** Blood urea nitrogen. Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CS16870	**Zinc** Evaluation of blood zinc level. Note: plasma or serum needs to be separated from cells and transferred to a plastic vial. Do not use tubes with rubber stoppers.	**0.3 mL of serum in royal blue top tube or plastic transfertube** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**7-10 days**
CT730 **Add-on Equivalent CADD320**	**Bromide** This test is used to monitor bromide therapy. Therapeutic serum bromide concentrations should be measured at three weeks after initiating therapy, but steady-state concentrations may fluctuate among dogs due to differences in drug clearance and bioavailability. Interferences: gel may interfere with test. Do not use a serum separator tube for sample draw or submission.	**0.5 mL serum in red top tube. Submission in serum separator tube is not recommended.**	**1-2 days**
CS18702	**Cyclosporine** Used to assess the cyclosporine drug level being achieved, at the current drug dosing, in a given patient. Note: peak drug level occurs 2 hours post medication. Trough drug level will occur just prior to the next 12-hour dose.	**2.0 mL EDTA whole blood in lavender top tube**	**7-10 days**
CT735	**Digoxin** Digoxin level Interferences: hemolysis, gel may interfere with test. Do not use a serum separator tube for sample draw or submission.	**0.5 mL serum in red top tube collected 8 hours post pill**	**1-2 days**
CS86541	**Keppra Level** Interferences: hemolysis and gel in serum separator tube may interfere with test.	**2.0 mL serum in red top or non-additive tube. Submission in serum separator tube is not recommended**	**5-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT750	**Phenobarbital** Phenobarbital level Interferences: hemolysis and gel in serum separator tube may interfere with test. Do not use a serum separator tube for sample draw or submission.	**0.5 mL serum in red top tube. Submission in serum separator tube is not recommended.**	**1-2 days**
CSA830	**Phenobarbital Panel Plus** Liver Chemistry with Electrolytes, CBC, Bile Acids, Phenobarbital Includes a chemistry (CSA324), complete blood count, a single bile acids, and a phenobarbital level. Interferences: marked hemolysis and lipemia. All therapeutic drug monitoring should be submitted as serum in a red top tube. A serum separator tube should not be used in sample collection as the drug concentration being measured may be erroneously decreased by as much as 30% due to binding with gel. Once steady-state drug levels have been reached, phenobarbital levels can be evaluated at any time of the day in relation to medication administration. Ursodeoxycholic acid may be detected by bile acid assay, causing falsely elevated values.	**1.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top tube, lavender top	**1-2 days**
CT755	**Pre & Post Phenobarbital** Pre and Post Pill Phenobarbital Levels Submission of a peak and trough phenobarbital level. Interferences: hemolysis and gel in serum separator tube may interfere with test.	**0.5 mL serum in red top tube (labeled Pre) and 0.5 serum in red top tube (labeled Post). Submission in serum separator tube is not recommended.**	**1-2 days**
CS86480	**Zonisamide Zonegran** Zonisamide concentration. Interferences: hemolysis, gel may interfere with test.	**0.5 mL serum in red top tube. Submission in serum separator tube is not recommended.**	**3-5 days**

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AVIAN • EXOTICS

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS17116	**Adrenal Androgen Panel For Ferrets** Estradiol, 17-OH Progesterone, Androstenedione	**0.5 mL heparinized plasma spun in green microvial with gel separator**	**10-15 days**
CS16011	***Aspergillus* AB Avian (AFMP1P ELISA)** *Aspergillus* Antibody, Avian	**0.5 mL serum in microtainer or regular serum separator tube(spun)**	**7-10 days**
CS85358	***Aspergillus* Ag, Galactomannan Assay** *Aspergillus* Antigen, Galactomannan Assay (Avian) Antigen detection test (EIA immunoenzymatic sandwich microplate assay) for galactomannan.	**Canine or Feline: 0.8 mL serum in red top or serum separator tube Avian: 0.1 mL serum in red top or serum separator tube**	**7-10 days**
CAE021	**Avian Comprehensive Profile with Bile Acid** Comprehensive Avian Profile with Bile Acids Avian/Exotic	**0.75 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** 2 green top micro vials (with gel), green top micro vial (no gel) or 2 hematocrit tubes, slide holders	**Daily** Performed each shift
CAE025	**Avian Comprehensive Profile with Bile Acid & EPH** Comprehensive Avian Profile with Bile Acids (Avian/ Exotic), and Avian Protein Electrophoresis	**0.75 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** 2 green top micro vials (gel), green top micro vial (no gel) or 2 hematocit tubes, slide holders	**1-4 days**
CAE300	**Avian Protein Electrophoresis** Includes Total Protein, Pre-Albumin, Albumin, Alpha 1, Alpha 2, Beta and Gamma	**0.5 mL of heparinized plasma in green micro vial (with gel)**	**2-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAE051	**Avian Standard Profile with Bile Acid** Standard Avian Profile with Electrolytes, Avian/Exotic CBC, Bile Acids	**0.75 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** 2 green micro vials (gel), 2 hematocrit tubes, 2 blood film slides	**1-2 days**
CAE055	**Avian Standard Profile with Bile Acid & EPH** Standard Avian Profile with Electrolytes, Bile Acids Avian/Exotic, Avian Protein Electrophoresis	**0.75 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** 2 green micro vials (gel), 2 hematocrit tubes, 2 blood film slides	**1-5 days**
CS16012	**Avian Zinc Assay**	**0.5 mL serum in yellow micro vial with gel**	**7-10 days**
CAE270	**Avian/Exotic CBC** Includes WBC Estimate, Thrombocyte Estimate, Hematocrit, Blood Parasites, and Differential: Percent and Absolute Heterophils, Bands, Lymphocytes, Monocytes, Eosinophils, Basophils and Azurophilic Monocytes Interferences: marked hemolysis.	**0.5 mL of heparinized whole blood in green top tube with 2 freshly prepared blood smears**	**Daily** Performed each shift
CAE260	**Bile Acids (Avian/Exotic)** Single Bile Acids, Avian/Exotic Interferences: marked hemolysis or lipemia. Ursodeoxycholic acid may be detected by bile acid assay, causing falsely elevated values.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CS16671	***Chlamydia* Antibody Titer IFA**	**0.5 mL serum in red top or serum separator tube**	**7-10 days**
CS16788	***Chlamydia* PCR Blood**	**0.5 mL heparinized whole blood in green top tube**	**7-10 days**
CS16672	***Chlamydia* PCR Swab**	**Avian: Swab in red top tube (combined choanal & cloacal)** **Feline & other species: comjunctival swab in red top**	**7-10 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS85206	***Chlamydia* Profile** *Chlamydophila* PCR Blood, *Chlamydophila* Antibody Titer IFA, *Chlamydophila* Titer EBA, *Chlamydophila* PCR Swab, *Chlamydophila* Titer EBA, *Chlamydophila* PCR Swab	**0.4 mL heparinized whole blood, 0.4 mL serum, swab in red top tube (combined choanal & cloacal)** Green micro vial (gel), Green microvial (no gel), Swab in white tube (combined choanal & cloacal)	**7-14 days**
CS16670	***Chlamydia* Titer EBA** Psittacosis	**0.5 mL serum in serum separator tube**	**7-14 days**
CAE010	**Comprehensive Avian Chemistries** Total Protein, Albumin, Globulin, SGOT (AST), Phosphorus, Glucose, Calcium, Sodium, Potassium, Chloride, Cholesterol, CPK, Uric Acid	**0.5 mL heparinized plasma in green microtainer with gel**	**Daily** Performed each shift
CAE030	**Comprehensive Avian Post Purchase** Avian Comprehensive Chemistries, *Chlamydophila* Titer EBA, *Giardia* ELISA, Gram Stain, Psittacine Beak and Feather Disease, Polyoma PCR Swab, Avian Protein Electrophoresis, Avian/Exotic CBC	**1.0 mL heparinized plasma, 1.0 mL heparinized whole blood, 0.5 grams feces, and 2 fecal swabs** Antech provided fecal container, 3 green micro vials (gel), green micro vial (no gel), 2 hematocrit tubes, 2 slides, swabs in white tube (2 fecals)	**1-10 days**
CAE020	**Comprehensive Avian Profile** Avian/Exotic CBC, Avian Comprehensive Chemistries	**0.5 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** Green top micro vial (with gel), green top micro vial (no gel) or 2 hematocrit tubes, slide holder	**Daily** Performed each shift
CAE200	**Comprehensive Mammalian Profile** CBC Small Mammalian, Mammalian Comprehensive Chemistries	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator or green micro vial (gel), lavender or green vial (no gel)	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAE160	**Comprehensive Reptilian Profile** Avian/Exotic CBC, Reptilian Comprehensive Chemistries	**0.5 mL of heparinized plasma, 0.5 mL of heparinized whole blood, and 2 freshly prepared blood smears** Green top micro vial (with gel), green top micro vial (no gel) or 2 hematocrit tubes, slide holder	**Daily** Performed each shift
CRECHECKREP	**Comprehensive Reptilian Reckeck Panel** Avian/Exotic CBC, Reptilian Comprehensive Chemistries	**0.5 mL of heparinized plasma, 0.5 mL of heparinized whole blood and 2 freshly prepared blood smears** Green top micro vial (with gel), green top micro vial (no gel) or 2 hematocrit tubes, slide holder	**Daily** Performed each shift
CAE070	**Diarrhea Profile (Avian)** Comprehensive Avian Profile, Gram Stain, Culture, Aerobic Culture, *Giardia* ELISA Interferences: marked hemolysis and lipemia.	**0.5 mL heparinized plasma in green microtainer with gel, 0.5 mL whole blood in green microtainer, 2 fecal slides, 0.5 grams feces, and culturette** Culturette, Antech provided fecal container, green micro vial (gel), 2 hematocrit tubes, 2 slides each (blood and fecal)	**1-2 days**
CS16501	**Distemper PCR**	**2.0 mL urine in urine transport tube, whole blood (EDTA) in lavender top tube, CSF OR other body cavity fluid in red top or lavender top tube**	**5-9 days**
CS16107	**Distemper Titer-Virus Neutraliz.**	**0.5 mL serum in red top or serum separator tube**	**14-21 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS14484	**Eastern Encephalitis Virus PCR**	**Avian and Equine: Brain in leak-proof container** Call customer service for specimen handling protocol: 1-800-341-3440, dial 0	**5-7 days**
CS16877	***Encephalitozoon cuniculi* IgG Ab** Interferences: marked hemolysis.	**0.10 mL spun serum or spun heparinized plasma in plain, non-additive transport tube**	**7-10 days**
CAE080	**Feather Picker Profile** Comprehensive Avian Profile, Culture (Aerobic), *Giardia* ELISA, Gram Stain, Psittacine Beak and Feather Disease, Avian Protein Electrophoresis	**1.0 mL heparinized plasma in green micro vial with separator gel, 1.0 mL heparinized whole blood in green top tube, culturette, 2 fecal slides and 0.5 grams feces** Culturette, Antech provided fecal container, 2 green top micro vial, green top micro vial (no gel), 2 hematocrit tubes, 2 slides, (blood and fecal)	**1-7 days**
CAE230	**Geriatric/Weak Ferret Profile** Mammalian Comprehensive Chemistries, Insulin Ferret, Urinalysis, CBC Small Mammalian	**1.0 mL serum, 1.0 mL EDTA whole blood, and 6.0 mL urine** Serum in red top or serum separator or 2 green micro vial (gel), lavender or green vial (no gel), urine transport tube	**1-5 days**
CT820 **Add-on Equivalent CADD250**	***Giardia* (ELISA)** The *Giardia* antigen capture Enzyme- linked Immunosorbent Assay (ELISA) is a fecal procedure designed to detect a *Giardia* specific antigen.	**5 grams fresh fecal specimen in Antech provided fecal container**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAE090	**Hepatic Profile** Comprehensive Avian Profile, Bile Acids Avian/Exotic, *Chlamydophila* Titer EBA, Avian Protein Electrophoresis	**1.0 mL heparinized plasma (in green top micro via with gel separator) and 0.5 mL heparinized whole bood** 3 green micro vial (gel), 2 hematocrit tubes, slides	**1-14 days**
CAE190	**Mammalian Comprehensive Chems** Total Protein, Albumin, Globulin, SGOT (AST), SGPT (ALT), Alk Phos, T. Bilirubin, Bun, Creatinine, Phosphorus, Glucose, Calcium, Sodium, Potassium, Chloride, Cholesterol, CPK	**0.5 mL serum in red top or serum separator OR green top micro vial (gel)**	**Daily** Performed each shift
CAE210	**Mammalian Standard Chemistries** Total Protein, SGPT (ALT), Alk Phos, T. Bilirubin, Bun, Creatinine, Sodium, Potassium, Chloride, Phosphorus, Glucose, Calcium	**0.5 mL serum in red top or serum separator OR green top micro vial (gel)**	**Daily** Performed each shift
CAE060	**Mini Avian Post Purchase** Comprehensive Avian Profile, Gram Stain, Avian Protein Electrophoresis	**0.75 mL heparinized plasma, 0.5 mL heparinized whole blood and 2 freshly prepared blood smears, and fecal slides** Green top micro vial (with gel), green top micro vial (no gel) or 2 hematocrit tubes, slide holder, culturette	**1-5 days**
CS16789	***Mycoplasma* PCR**	**Tissue (fresh) OR fluid (ocular, conjunctival, BAL) OR nasal swab**	**10-15 days**
CT805	**Ova & Parasite** O&P with Centrifugation Fecal ova and parasites. Samples are appropriately mixed with zinc sulfate solution, centrifuged, followed by flotation and slide evaluation. Note: sample should be evaluated within 24 hours of collection. If a worm has been identified in the sample, separate the worm and place it in a container labeled Worm in black, additionally mark Worm on the TRF being submitted with the sample.	**5 grams feces in Antech provided fecal container**	**1-2 days**
CS16085	**Psittacine Beak and Feather Disease**	**0.5 mL EDTA or heparinized whole blood in lavender or green top tube**	**7-10 days**

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CAE110	**PU/PD Profile** Avian Comprehensive Chemistries, Avian/Exotic CBC, Avian Protein Electrophoresis, Urinalysis	**0.5 mL heparinized plasma, 0.5 mL heparinized whole blood, and 1 mL urine** 2 green top micro vials (gel), green top micro vial (no gel) or 2 hematocrit tubes, slides, urine transport tube	**1-5 days**
CAE240	**Rabbit Neurologic Profile** CBC Small Mammalian, Mammalian Comprehensive Chemistries, *Encephalitozoon cuniculi* IgG Ab, Pasteurella Antibody Titer	**1.0 mL of serum or heparinized plasma and 1.0 mL EDTA whole blood** 2 green top micro vials (gel), lavender top or green top micro vial (no gel)	**1-10 days**
CAE150	**Reptilian Comprehensive Chems** Total Protein, Albumin, Globulin, SGOT (AST), Bun, Phosphorus, Glucose, Calcium, Sodium, Potassium, Chloride, CPK, and Uric Acid Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator OR green top micro vial (gel)**	**Daily** Performed each shift
CAE170	**Reptilian Standard Chemistries** Total Protein, SGOT (AST), Sodium, Potassium, Chloride, Phosphorus, Glucose, Calcium, CPK, and Uric Acid Interferences: marked hemolysis and lipemia.	**0.5 mL serum in red top or serum separator OR green top micro vial (gel)**	**Daily** Performed each shift
CT425 **Add-on Equivalent CADD140**	**Reticulocytes** Reticulocytes, Absolute Reticulocytes Includes an unadjusted reticulocyte percent and absolute reticulocyte count. Only aggregate reticulocytes are counted. Interferences: marked hemolysis.	**1.0 mL EDTA whole blood in lavender top tube**	**Daily** Performed each shift
CAE050	**Standard Avian Profile** Avian/Exotic CBC, Avian Standard Chemistries with Electrolytes Interferences: marked hemolysis or lipemia.	**0.5 mL heparinized plasma and 0.5 mL heparinized whole blood** Green top micro vial (gel), green top micro vial (no gel) or 2 hematocrit tubes, slides	**Daily**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CAE220	**Standard Mammalian Profile** CBC Small Mammalian, Mammalian Standard Chemistries with Electrolytes Interferences: marked hemolysis or lipemia.	**0.5 mL serum and 1.0 mL EDTA whole blood** Serum in red top or serum separator or green micro vial (gel), lavender or green vial (no gel)	**Daily**
CAE180	**Standard Reptilian Profile** Avian/Exotic CBC, Reptilian Standard Chemistries with Electrolytes Interferences: marked hemolysis or lipemia.	**0.5 mL heparinized plasma and 0.5 mL heparinized whole blood** Green micro vial (gel), green top micro vial (no gel) or 2 hematocrit tubes, slides	**Daily**
CS16792	***Toxoplasma* antibody - Exotics**	**1.0 mL serum in red top or serum separator tube**	**7-14 days**
CS85448	**West Nile Titer (PRNT & IgM ELISA)**	**1.0 mL serum in red top or serum separator tube (mammals) OR 0.1 mL heparinized plasma (avians)**	**7-14 days**
CS85449	**West Nile Virus PCR**	**Equine: 1.0 mL EDTA whole blood in lavender top tube, CSF,brain or spinal cord. Avian: Kidney in sterile container, EDTA or heparinized whole blood, or tissue (brain or heart). Other mammals: EDTA whole blood, CSF, brain or spinal cord.**	**7-10 days**
CS14485	**West Nile Virus Plaque Reduction SN**	**1.0 mL serum in red top or serum separator tube**	**7-17 days**

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EQUINE • LARGE ANIMAL ESSENTIAL PANELS

	EQUINE CHEMISTRY CL010	EQUINE PERFORMANCE HORSE CHEMISTRY CL601	EQUINE HEPATIC SCREEN CL225	EQUINE RENAL SCREEN CL240	RUMINANT CHEMISTRY CL1001
A/G Ratio	●	●			●
Albumin	●	●	●	●	●
Alkaline Phosphatase	●	●	●		●
AST (SGOT)	●	●	●		●
BUN	●	●	●	●	●
BUN/Creatinine Ratio	●	●			●
Calcium	●			●	●
Chloride	●	●	●	●	●
Cholesterol	●				●
CPK	●	●			●
Creatinine	●	●		●	●
Direct Bilirubin	●		●		●
GGT	●	●	●		●
Globulin	●	●	●		●
Glucose	●			●	●
LDH	●		●		●
Magnesium					●
NA/K Ratio	●				●
Phosphorus	●			●	●
Potassium	●	●	●	●	●
Sodium	●	●	●	●	●
Total Bilirubin	●		●		●
Total Protein	●	●	●	●	●
Triglycerides	●				●

EQUINE

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	EQUINE HEALTH PROGRAM (EHP)		
CL511E	**Equine Health Program GVL (ELISA)** Equine Chemistry, CBC, Fibrinogen, EIA (ELISA) by GVL, FEC (MST)	**2.0 mL serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, and 10 grams feces**	**1-4 days**
CL510NE	**Equine Health Program (no EIA)** Equine Chemistry, CBC, Fibrinogen, FEC (MST)	**1.0 mL serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, and 10 grams feces**	**1-2 days**
CL611E	**Equine Performance Horse Health Program GVL (ELISA)** Equine Performance Horse Chemistry, CBC, Fibrinogen, EIA (ELISA) by GVL, FEC (MST)	**2.0 mL of serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, and 10 grams feces**	**1-4 days**
CL611NE	**Equine Performance Horse Health Program (no EIA)** Equine Performance Horse Chemistry, CBC, Fibrinogen, FEC (MST)	**1.0 mL serum, 1.0 mL EDTA whole blood, 0.5 mL citrated plasma, and 10 grams feces**	**1-2 days**
CL616E	**Equine Senior Health Program GVL (ELISA)** Equine Chemistry, CBC, Fibrinogen, Endogenous ACTH, Insulin, EIA (ELISA) by GVL, FEC (MST) Note: see CL525 and CT470E for additional drawing instructions.	**3.0 mL of serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, 10 grams feces, and 1.0 mL EDTA plasma**	**1-4 days**
CL615NE	**Equine Senior Health Program (no EIA)** Equine Chemistry, CBC, Fibrinogen, Endogenous ACTH, Insulin, FEC (MST) Note: see CL525 and CT470E for additional drawing instructions.	**3.0 mL of serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, 10 grams feces, and 1.0 mL EDTA plasma**	**1-3 days**
CL616T	**Equine Senior Health Program GVL with TRH** Equine Chemistry, CBC, Fibrinogen, TRH Stimulation Test for PPID, Insulin, EIA (ELISA) by GVL, FEC (MST) Note: see CL535 and CT470E for additional drawing instructions.	**3.0 mL of serum, 1.0 mL EDTA whole blood, 0.5 mL of citrated plasma, 10 grams feces, 1.0 mL Pre EDTA plasma and 1.0 mL Post EDTA plasma**	**1-4 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL121	**Equine Infectious Anemia (EIA) ELISA by GVL** Note: • Equine Infectious Anemia (EIA) testing submission must include GlobalVetLINK (GVL) form • GVL form must include the following to be processed (District information, Owner's Name and Address, and Location of animal at time of the blood draw) • Valid veterinary license for the submitting veterinarian will be verified at time of submission • Sample tube labelling must match official form by either horse's name or tube number EXACTLY	**1.0 mL serum in red top or serum separator tube**	**1-4 days**
	CBC AND CHEMISTRY		
CT332	**CBC and Fibrinogen** Interferences: marked hemolysis or lipemia.	**1.0 mL EDTA whole blood and 0.5 mL citrated plasma (preferred for Fibrinogen)**	**Daily** Performed each shift
CL365	**Fibrinogen**	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift
CL070	**Equine Inflammatory Profile** CBC, Fibrinogen, Plasma Protein Interferences: marked hemolysis or lipemia.	**1.0 mL EDTA whole blood and 0.5 mL citrated plasma**	**1-2 days**
CT415 **Add-on Equivalent CADD290**	**PT and aPTT** Prothrombin Time, Activated Partial Thromboplastin Time Prothrombin Time and Activated Partial Thromboplastin Time. Prothrombin time measures the integrity of the extrinsic and common components of the coagulation cascade. Partial Thromboplastin Time (PTT) measures the integrity of the intrinsic and common components of the coagulation cascade. Interferences: marked hemolysis or lipemia. Partially full blue top tube may falsely increase sample's coagulation time. Note: clotting of the sample may preclude the analysis. The blue top tube needs to be filled to 2/3 or more of its capacity. Partially full blue top tubes may falsely increase coagulation times.	**0.5 mL citrated plasma or citrated whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL010	**Equine Chemistry** Total Protein, Albumin, Globulin, A/G Ratio, AST (SGOT), Alk Phos, GGT, T. Biliburin, D. Bilirubin, BUN, Creatinine, BUN/Creatinine Ratio, Phosphorus, Glucose, Calcium, Sodium, Potassium, NA/K Ratio, Chloride, Cholesterol, Triglyceride, CPK, LDH Panel is recommended for all large animal patients except for Bovine (use code CL1001). Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transfered to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CL601	**Equine Performance Horse Chemistry** Total Protein, Albumin, Globulin, A/G Ratio, AST (SGOT), Alk Phos, GGT, BUN, Creatinine, BUN/Creatinine Ratio, Sodium, Potassium, Chloride, CPK Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transfered to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CL050	**Equine Chemistry, CBC**	**0.5 mL serum in red top or serum separator tube and 1.0 mL EDTA whole blood**	**Daily** Performed each shift
CL040	**Equine Chemistry, CBC, Fib** Panel is recommended for all large animal patients except for Bovine (use code CL080).	**0.5 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**Daily** Performed each shift
CL040R	**Equine Chemistry, CBC, Fib (Recheck)** Note: resubmission must be within 30 days of original accession and previous accession number provided on the new request form.	**0.5 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**Daily** Performed each shift
CL640	**Equine Performance Horse Panel** Equine Performance Horse Chemistry, CBC, Fibrinogen	**1.0 mL of serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL of citrated plasma**	**Daily** Performed each shift
CL565	**Equine Chemistry, CBC, Fib, T4, fT4 (ED)** Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results.	**2.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**1-4 days**
CL035	**Equine Chemistry, CBC, Fib, fT4 (ED)** *Plasma is NOT an acceptable sample	**1.5 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**1-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL030	**Equine Chemistry, CBC, Fib, T4** Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results.	**0.5 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**Daily** Performed each shift
CL290	**Neonatal Foal Panel** Equine Chemistry, CBC, Fibrinogen, Equine IgG Total	**1.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**1-3 days**
CL090	**Equine IgG Total** IgG is generally used to assess immunoglobulin concentration and passive transfer of immunity in foals or immunoglobulin status in adult horses. This test is species specific for horses. Note: IgG testing is species specific (see Large Animal Section for all non-equine species) Methodology: Immunoturbidimetric method	**0.5 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, or plasma from a EDTA whole blood sample** *If submitting milk transfer to a non-additive tube and clearly marked as MILK	**1-3 days**
CL225	**Equine Hepatic Screen** Total Protein, Albumin, Globulin, AST (SGOT), Alk Phos, GGT, T. Biliburin, D. Bilirubin, I. Bilirubin, BUN, Sodium, Potassium, Chloride, LDH Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transferred to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Perfomed each shift
CL230	**Equine Hepatic Panel** Equine Hepatic Screen with Electrolytes, Bile Acids	**1.0 mL serum in red top or serum separator tube**	**1-2 days**
CT225	**Bile Acids** Interferences: marked hemolysis or lipemia.	**0.5 mL serum in red top or serum separator tube**	**1-2 days**
CL1025	**Equine Hepatic Profile** Equine Hepatic Screen, Bile Acids, SDH Note: SDH sample must be kept cold or frozen and submitted within 24 hrs.	**1.5 mL serum in red top or serum separator tube AND 0.5 mL separated serum in non-additive tube marked SERUM (Cold or Frozen) for SDH testing**	**1-5 days**
CT250	**Sorbital Dehydrogenase (SDH)** Note: sample must be submitted within 24 hrs.	**0.5 mL separated serum in non-additive tube marked SERUM (Cold or Frozen)**	**2-5 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL240	**Equine Renal Screen** Total Protein, Albumin, BUN, Creatinine, Phosphorus, Glucose, Calcium, Sodium, Potassium, Chloride Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transferred to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CL275	**Equine Muscle Enzyme Screen** AST (SGOT), CPK Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transferred to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CL280	**Equine Muscle Enzyme Screen, CBC, FIB** CBC, AST (SGOT), CPK, Fibrinogen	**1.0 mL of serum in red top or serum separator tube, 1.0 mL EDTA whole blood, and 0.5 mL of citrated plasma**	**Daily** Performed each shift
CL190	**Equine Rhabdomyolysis Screen** AST (SGOT), BUN, Creatinine, Phosphorus, Calcium, Sodium, Potassium, Chloride, CPK, LDH Interferences: marked hemolysis and lipemia. Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transferred to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT240 **Add-on Equivalent CADD130**	**Protein Electrophoresis (Serum)** Total Protein, Albumin, Globulin, Alpha 1, Alpha 2, Beta 1, Gamma 1, fractional assessment with interpretation. An evaluation of the globulin fraction of the serum (alpha 1, alpha 2, beta, and gamma) to determine if the globulin fraction is monoclonal based on these components. Interferences: marked hemolysis or lipemia. Hemolysis may falsely elevate the beta globulin fraction.	**0.5 mL serum in red top or serum separator tube**	**2-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS1680	**Equine Drug Screen** Drug Screen (performed at TVMDL) includes the following: Corticosteroids (LC/MS): Betamethasone, dexamethasone, methylprednisolone, prednisolone, prednisone and triamcinolone acetonide. NSAIDs: Acetaminophen, acetylsalicylic acid, carprofen, celcoxib, deracoxib, diclofenac, diflunisal, eltenac, ethacrynic acid, etodolac, fenbufen, fenoprofen, firocoxib, flufenamic acid, flunixin, flurbiprofen, ibuprofen, indomethacin, indoprofen, ketoprofen, ketorolac, meclofenamic acid, mefanamic acid, meloxicam, nabumetone, naproxen, oxyphenbutazone, phenylbutazone, piroxicam, salicylic acid, tenoxicam, tolfenamic acid and tolmetin. Tranquilizers: Acepromazine, fluphenazine, fluoxetine, guanabenz, reserpine, romifidine, xylazine, and detomidine Muscle relaxant: Methocarbamol. Note: urine is the preferred specimen but serum is acceptable.	**10 mL urine in urine transport tube OR 5.0 mL serum in red top or serum separator** **(Mark accordingly)**	**7-10 days**
	URINE		
CT760 **Add-on Equivalent CADD220**	**Urinalysis-Complete** The complete urinalysis includes a physical (color, appearance, USG), chemical (pH, protein, glucose, ketones, bilirubin, occult blood), and microscopic (WBC, RBC, casts crystals, bacteria, transitional and squamous epithelial cells, fat droplets) exam of the urine. Interferences: visible levels of hemolysis, drugs containing dyes, nitrofurantoin, or riboflavin.	**6.0 mL urine in urine transport tube**	**Daily** Performed each shift
CL340	**Fractional Excretion of Electrolytes** Serum: Calcium, Chloride, Creatinine, Phosphorus, Sodium, Potassium Urine: Calcium, Chloride, Creatinine, Phosphorus, Sodium, Potassium Note: serum and urine must be collected within 24 hours of each other and submitted together.	**1.0 mL serum in red top or serum separator tube AND 1.0 mL urine in urine transport tube (mark each sample as URINE or SERUM)**	**1-2 days**
	FECAL		
CT826	**FEC:Modified Stoll's Technique (MST)** *Strongyle* sp. and *Parascaris* sp. ova (EPG) performed by Modified Stoll's Technique (MST) and qualitative ID of all other parasites Fecal Egg Count by Modified Stoll's Technique test provides quantitative eggs counts for *Strongyle* & *Parascaris* ova reported as eggs per gram (EPG). The lowest detection limit is 2 EPG. Other eggs or parasites seen will be reported. Note: fresh fecal samples should be kept refrigerated until submission. Specimens should be tested within 72 hours of collection.	**10 grams feces in Antech provided fecal container**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CT828	**FEC: McMaster's Method (MM) - Equine** *Strongyle* sp. and *Parascaris* sp. ova (EPG) performed by McMaster's Method (MM) and qualitative ID of all other parasites Fecal Egg Count by McMaster's Method test provides an estimated egg count for *Strongyle* & *Parascaris* ova reported as Eggs per gram (EPG). The lowest detection limit is 100 EPG. Other eggs or parasites seen will be reported. Note: fresh fecal samples should be kept refrigerated until submission. Specimens should be tested within 72 hours of collection.	**10 grams feces in Antech provided fecal container**	**1-2 days**
CL86181	***Clostridium difficile* toxins A/B** Note: see CL950 Equine PCR Gastrointestinal (Diarrhea) Panel for a broader array of potential pathogens.	**5 grams feces in Antech provided fecal container** Send on ice to keep cold	**2-5 days**
CT16007	***Clostridium perfringens* enterotoxin** Note: see CL950 Equine PCR Gastrointestinal (Diarrhea) Panel for a broader array of potential pathogens.	**5 grams feces in Antech provided fecal container** Send on ice to keep cold	**2-4 days**
CM160	**Culture, Feces** Culture specifically evaluates for *Salmonella*, Shigella and *Campylobacter* spp. Note: see CL950 Equine PCR Gastrointestinal (Diarrhea) Panel for a broader array of potential pathogens.	**5 grams feces in Antech provided fecal container.**	**3-4 days** Preliminary report every 24 hours. Final report available in 72 hours.
CM121	**Culture, *Salmonella*** Negative *Salmonella* spp. culture result does not rule out intermittent or lower levels of fecal shedding of *Salmonella* spp. Five-day serial submissions are recommended.	**5 grams feces in Antech provided fecal container**	**3-4 days** Preliminary report every 24 hours. Final report available in 72 hours.
CL496	**Acute Diarrhea Panel** Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	**10 grams feces in Antech provided fecal container** Send on ice to keep cold	**2-4 days**
CL492	**Foal Diarrhea Panel** FEC (MST), Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	**10 grams feces in Antech provided fecal container** Send on ice to keep cold	**2-4 days**
CL420	**Chronic Diarrhea Panel** Equine Chemistry, CBC, Fibrinogen, FEC (MST), Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	**1.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, 0.5 mL citrated plasma, and 10 grams feces** Send on ice to keep cold	**1-4 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	ENDOCRINOLOGY		
CT495 **Add-on Equivalent CADD190**	**Total T4** Interferences: marked hemolysis and moderate to marked lipemia. Lipemia can falsely decrease T4 results.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CT460 **Add-on Equivalent CADD50**	**Free T4 by Equilibrium Dialysis** Note: this test should not be performed as an Add-on to samples older than 5 days.	**0.5 mL serum in red top or serum separator tube**	**2-6 days**
CSA370	**Thyroid Profile 2** Total T4, Free T4 By Equilibrium Dialysis Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results.	**1.0 mL serum in red top or serum separator tube**	**1-6 days**
CL590	**Equine TRH Stimulation (Thyroid Function)** Baseline T3, Baseline T4, 2-hr Post T3, 4-hr Post T4 Drawing Instructions: • Draw a baseline serum sample for T3 and T4 • Inject 1 mg of TRH IV • Draw a 2 hour post for T3 • Draw a 4 hour post for T4 • MARK ALL SAMPLES ACCORDINGLY	**0.5 mL serum labeled Pre, 0.5 mL serum labeled Post T3, and 0.5 mL serum labeled Post T4. All samples should be in red top or serum separator tube.**	**4-5 days**
CL500	**Pituitary Pars Intermedia Dysfunction (PPID) Panel** Equine Chemistry, CBC, Fibrinogen, Endogenous ACTH (Equine), Insulin (Equine), T4 Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Note: see CL525 and CT470E for additional drawing instructions.	**1.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, 0.5 mL citrated plasma, and 1.0 mL EDTA plasma**	**1-3 days**
CL500TRH	**Pituitary Pars Intermedia Dysfunction (PPID) with TRH Stim** Equine Chemistry, CBC, Fibrinogen, TRH Stimulation for PPID, Insulin (Equine), T4 Interferences: T4 evaluation can be affected in a hemolyzed or moderately lipemic sample. Lipemia can falsely decrease T4 results. Note: see CL535 and CT470E for additional drawing instructions.	**1.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, 0.5 mL citrated plasma, 1.0 mL Pre EDTA plasma and 1.0 mL Post EDTA plasma**	**1-3 days**
CL560	**Pituitary Pars Intermedia Dysfunction (PPID) with fT4ED** Equine Chemistry, CBC, Fibrinogen, Endogenous ACTH (Equine), Insulin (Equine), T4, Free T4 by Equilibrium Dialysis Note: see CL525 and CT470E for additional drawing instructions.	**2.0 mL serum in red top or serum separator tube, 1.0 mL EDTA whole blood, 0.5 mL citrated plasma, and 1.0 mL EDTA plasma**	**1-6 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL525	**Endogenous ACTH (Baseline) Equine** Plasma ACTH levels show a seasonal variation for horses in the northern hemisphere. Seasonally elevated ACTH levels are usually observed between Mid-July to Mid-November. Horses with PPID may have exaggerated levels during this time. Interpretation range values will vary by season. Sample Handling: • 12 hour fast with one flake of hay left in the stall • Draw sample using EDTA whole blood tube • Spin sample within 8 hours of draw (lab will not run the test on unspun samples) • Transfer the plasma to new non-additive tube and mark as PLASMA • Send sample on ice pack	**1.0 mL EDTA plasma in non-additive transport tube (labeled as EDTA plasma)**	**1-2 days**
CL540	**Endogenous ACTH, Insulin, Glucose** Note: see CL525 and CT470E for additional drawing instructions.	**1.0 mL serum in red top or spun serum separator tube and 1.0 mL EDTA plasma (mark accordingly)**	**1-2 days**
CL575	**Endogenous ACTH, Insulin, Glucose, Leptin (Equine)** Note: see CL525 and CT470E for additional drawing instructions.	**2.0 mL serum in red top or spun serum separator tube and 1.0 mL EDTA plasma (mark accordingly)**	**1-10 days**
CS14402	**Leptin (Equine)** Note: transport refrigerated (on ice packs)	**2.0 mL serum in red top or non-additive tube**	**7-10 days**
CL535	**TRH Stimulation for PPID** Endogeneous ACTH (Pre and 10 minute Post) Tests for Cushings Disease (PPID). If Endogenous ACTH results (CL525) are normal but disease is strongly suspected, this panel is recommended. Interferences: serum or whole blood submissions will preclude analysis and will NOT be accepted. Note: see CL525 for additional drawing instructions.	**1.0 mL EDTA plasma (labeled as pre plasma) and 1.0 mL EDTA plasma (labeled as post plasma)** Send on ice to keep cold	**1-2 days**
CT470E	**Equine Insulin and Glucose** In horses, a high baseline insulin concentration is indicative of Insulin Dysregulation (ID). However, many horses will have a normal baseline insulin with an abnormal response to sugar ingestion. If baseline results are normal but disease is strongly suspected, an oral sugar test (OST) is recommended see code CL545 or CL550. Interferences: marked hemolysis. Sample Handling: • 12 hour fast with one flake of hay left in the stall • Draw sample in a red top or serum separator tube • Spin sample within 8 hours of draw • Transfer serum into new non-additive tube and mark as SERUM	**0.5 mL serum in red top or spun serum separator tube**	**1-2 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL580	**TRH Stimulation for PPID with Insulin and Glucose** Note: see CL525 and CT470E for additional drawing instructions.	**1.0 mL serum in red top or spun serum separator tube, 1.0 mL Pre EDTA plasma and 1.0 mL Post EDTA plasma (mark accordingly)**	**1-2 days**
CL545	**Oral Sugar Test (2 samples)** Insulin (Equine)/Glucose (60 and 90 minute Post) Oral sugar test assesses the insulin response to ingested sugars for a diagnosis of Insulin Dysregulation (ID). Note: see CT470E for additional drawing instructions.	**1.0 mL serum in red top or spun serum separator tube (labeled 60 min Post) AND 1.0 mL serum in red top or spun serum separator tube (labeled 90 min Post)**	**1-2 days**
CL550	**Oral Sugar Test (3 samples)** Insulin (Equine)/Glucose (Pre, 60 and 90 minute Post) Oral sugar test assesses the insulin response to ingested sugars for a diagnosis of Insulin Dysregulation (ID). Note: see CT470E for additional drawing instructions.	**1.0 mL serum in red top or spun serum separator tube (labeled Baseline), 1.0 mL serum in red top or spun serum separator tube (labeled Serum 60 min Post), AND 1.0 mL serum in red top or spun serum separator tube (labeled Serum 90 min Post)**	**1-2 days**
	NEUROLOGY		
CS14388	**EPM SAG 2,4/3 ELISA** The ELISA format contains surface antigen proteins (SAG 2,4/3) of the *S. neurona* parasite. A negative serum result is a good rule out for EPM caused by *S. neurona*. Note: if submitting BOTH serum and CSF, should be submitted separately as two different requests in two different bags.	**1.0 mL serum in red top or serum separator OR 1.0 mL CSF in red top tube**	**4-7 days**
CS14390	**EPM SAG 2,4/3 ELISA Serum/CSF Ratio** The specific antibody index is performed on paired serum and CSF samples in conjunction with the *S. neurona* SAG 2,4/3 ELISA. This test can help discern an intrathecal IgG response from contamination by utilizing a ratio of serum and CSF albumin and IgG levels. Note: both serum and CSF MUST be submitted together in the same bag.	**1.0 mL serum in red top or serum separator AND 1.0 mL CSF in red top tube**	**4-7 days**
CS14392	**EPM SAG 2,4/3 ELISA, N. hughesi ELISA** The *Neospora hughesi* ELISA utilizes a specific protein, SAG 1, found on the *N. hughesi* parasite. Serum and/or CSF samples can be tested for an IgG response to the recombinant NhSAG 1 protein. The ELISA generates an endpoint titer. Note: if submitting BOTH serum and CSF, should be submitted separately as two different requests in two different bags.	**1.0 mL serum in red top or serum separator OR 1.0 mL CSF in red top tube**	**4-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16275	**Equine Encephalitis Viral Panel** EEE, WEE, VEE (PRNT) and EEE (IgM Capture ELISA)	**1.0 mL serum in red top or serum separator tube**	**10-15 days**
CS17500	**Equine Encephalitis Viral Panel Plus** Equine Encephalitis Viral Panel, West Nile titer (PRNT/IgM), EHV-I Ab	**3.0 mL serum in red top or serum separator tube**	**10-15 days**
CS14477	**Equine Comprehensive Neurological Panel** Equine Encephalitis Viral Panel, EPM SAG 2, 4/3 ELISA, West Nile Titer (PRNT/IgM), EHV-I PCR	**3.0 mL serum in red top or serum separator tube. For EHV-1 PCR component: 5.0 - 7.0 mL EDTA whole blood in lavender top tube, 5.0 mL nasal wash in red top tube, and/or nasal swab in non-additive tube with no media marked NASAL**	**5-15 days**
CS7591	**Equine Rhinopneumonitis virus Ab (EHV-1)**	**1.0 mL serum in red top or serum separator tube**	**10-15 days**
CS85448	**West Nile Titer (PRNT/IgM ELISA)**	**1.0 mL serum in red top or serum separator tube**	**7-15 days**
	PCR		
CL950	**Equine PCR Gastrointestinal (Diarrhea) Panel** *Clostridium difficile* A & B, *Clostridium perfringens*, *C. perfringens* toxin A, *C. perfringens* toxin B, *C. perfringens* toxin E, *C. perfringens* toxin NetF, Equine Coronavirus, N. *risticii* (Potomac Horse Fever), Equine Rotavirus, and *Salmonella* spp. Interferences: wooden swabs can interfere with testing and plastic swabs are preferred. Note: A single negative *Salmonella* spp. PCR result does NOT rule out intermittent or lower levels of fecal shedding of *Salmonella* spp. Three (3) serial submissions are recommended (use code CS14416 for sample 2 and/or sample 3).	**5 grams feces in Antech provided fecal container**	**4-7 days**
CL955	**Equine PCR Reproductive Panel** EVA, EHV-1, *Strep equi* subsp. *zooepidemicus*, *Leptospira* spp., *Klebsiella pneumoniae*, *E. coli* Interferences: wooden swabs can interfere with testing and plastic swabs are preferred.	**Uterine lavage fluid, semen, endometrial or cervical swab in red top tube (without media), OR placenta**	**4-7 days**
CL960	**Equine PCR Respiratory Panel** *Streptococcus equi*, *Streptococcus zooepidemicus*, *Rhodococcus equi*, Equine Herpes Virus 1 (EHV1), Equine Herpes Virus 4 (EHV4), Equine Influenza Virus (EIV), Equine Rhinitis Virus A and B (ERAV & ERBV) Interferences: wooden swabs can interfere with testing and plastic swabs are preferred.	**Transtracheal wash, bronchoalveolar lavage, guttural pouch wash, nasal swab (in non-additive tube without media) or respiratory tract tissue**	**4-7 days**

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CL965	**Equine PCR Fever of Unknown Origin (FUO) Panel** Swab: *Streptococcus equi,* Equine Herpes Virus 1, Equine Herpes Virus 4, Equine Influenza Virus, Equine Rhinitis Virus A & B EDTA whole blood: Equine Herpes Virus-1, *Anaplasma phagocytophilum, Neorickettsia risticii* (PHF) Fecal: *Neorickettsia risticii* (PHF), Equine Coronavirus (ECoV) Interferences: wooden swabs can interfere with testing and plastic swabs are preferred.	**1.0 mL EDTA whole blood, nasal swab in non-additive tube (without media), AND 5 grams feces in Antech provided fecal container**	**4-7 days**
CL970	**Equine PCR Fever of Unknown Origin (FUO) Mini** EDTA whole blood: *Anaplasma phagocytophilum, Neorickettsia risticii* (PHF) Fecal: *Neorickettsia risticii* (PHF), Equine Coronavirus (ECoV)	**1.0 mL EDTA whole blood AND 5 grams feces in Antech provided fecal container**	**4-7 days**
CS14421	***Anaplasma phagocytophilum* PCR**	**1.0 mL EDTA whole blood**	**4-7 days**
CS14414	**Equine Coronavirus (ECoV) PCR**	**5 grams feces in Antech provided fecal container**	**4-7 days**
CS14394	**Equine Herpes Virus 1 (EHV1) PCR** Viremia can be detected in the blood as soon as four days post-infection. Viral shedding in nasal secretions can be detected as soon as six days post-infection and for a longer time than in blood. Sample Handling: submission of BOTH nasal wash/nasal swab AND EDTA whole blood is recommended.	**5.0 mL EDTA whole blood, 5.0 mL nasal wash in red top tube, and/or nasal swab in non-additive tube without media**	**4-7 days**
CL974	**Equine *Leptospira* PCR Blood**	**0.5 mL EDTA whole blood**	**3-5 days**
CL976	**Equine *Leptospira* PCR Urine**	**2.0 mL urine in urine transport tube**	**3-5 days**
CL978	**Equine *Leptospira* PCR Blood/Urine**	**0.5 mL EDTA whole blood and 2.0 mL of urine in urine transport tube**	**3-5 days**
CL973	**Equine *Leptospira* PCR Aqueous or Vitreous Humor**	**1.5 mL aqueous or vitreous humor fluid in lavender top tube**	**3-5 days**
CS14479	***Neorickettsi risticii* (PHF) PCR** PCR testing will be done on both whole blood and fecal samples for no additional charge when both samples are submitted.	**1.0 mL EDTA whole blood in lavender top tube and/or 5 grams feces in Antech provided fecal container**	**4-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS14396	***Rhodococcus equi* PCR** Identifies strains of R. *equi* carrying virulence plasmid gene vapA. Transtracheal wash sample is the recommended specimen. Interferences: wooden swabs can interfere with testing and plastic swabs are preferred. A fecal sample can be tested but negative results will be unreliable.	**Transtracheal wash, bronchoalveolar lavage, and/or nasal swab in non-additive tube without media.**	**4-7 days**
CT983	**Equine Ringworm PCR Panel** *Microsporum* spp., *M. equinum / canis, M. gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. equinum / mentagrophytes* (*Arthroderma benhamiae, A. vanbreuseghemii*)	**Minimum of 10 plucked hair with roots, skin scraping, or tooth brush sample in sterile, dry container free of liquids or preservatives**	**5-7 days**
CT987	**Equine Ringworm PCR with Dermatophyte Culture** *Microsporum* spp., *M. equinum / canis, M. gypseum* (*Arthroderma gypseum, A. fulvum, A. incurvatum*), *Trichophyton* spp., *T. equinum / mentagrophytes* (*Arthroderma benhamiae, A. vanbreuseghemii*), and Dermatophyte Culture	**Minimum of 15 plucked hair with roots, skin scraping, or tooth brush sample in sterile, dry container free of liquids or preservatives**	**5-21 days**
CS14416	***Salmonella* spp. PCR** Detects DNA from pathogenic species of *Salmonella*. *Salmonella* PCR testing can also be used as a bio-surveillance tool to identify asymptomatic/shedding horses and monitor in-patients in a hospital setting. Note: a single negative *Salmonella* spp. PCR result does not rule out intermittent or lower levels of fecal shedding of *Salmonella* spp. Three (3) serial submissions are recommended.	**5 grams feces in Antech provided container**	**4-7 days**
CS86308	***Streptococcus equi* PCR** Detects S. *equi* bacterial DNA and is used primarily to identify asymptomatic carriers. Nasal washes, nasal swabs, or guttural pouch washes are appropriate samples for the S. *equi* PCR. Back-up culture is also available. Interferences: wooden swabs can interfere with testing and plastic swabs are preferred.	**5.0 mL nasal wash, OR 5.0 mL guttural pouch wash, OR 1 pharyngeal swab in non-additive tube without media**	**4-7 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	MARE REPRODUCTION		
CS16295	**Estradiol** Recommended for testing if greater than 120 days post-breeding in conjunction with progesterone (CL140) at the same time using code CL470.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS16300	**Estrone Sulfate** Recommended for testing if greater than 100 days post breeding.	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS16635	**Pregnant Mare Serum Gonadotropin (PMSG)** Recommended for testing at day 45-120 post breeding in conjunction with progestone (CL140) using test code CL460.	**2.0 mL serum in red top or serum separator tube**	**7-9 days**
CL140	**Progesterone**	**0.5 mL serum in red top tube. Submission of serum separator tube is not recommended.**	**1-2 days**
CL460	**Progesterone/PMSG**	**2.5 mL serum in red top tube. Submission of serum separator tube is not recommended.**	**1-9 days**
CL470	**Progesterone/Estradiol Panel (Equine)**	**1.5 mL serum in red top tube. Submission of serum separator tube is not recommended.**	**1-10 days**
CL480	**Progesterone/PMSG/Estradiol**	**3.0 mL serum in red top tube. Submission of serum separator tube is not recommended.**	**1-10 days**
	GRANULOSA CELL TUMOR TESTING		
CS85857	**Equine Granulosa Cell Tumor** Progesterone, Testosterone, Inhibin	**3.0 mL serum in red top tube. Submission of serum separator tube is not recommended.**	**2-21 days**
CS4131	**Inhibin** Inhibin is a heat-sensitive protein. Interferences: marked hemolysis or lipemia.	**1.0 mL serum in red top tube or serum separator tube**	**2-3 Weeks**
CS14320	**Anti-Mullerian Hormone (Equine)**	**1.0 mL serum in red top or serum separator tube**	**5-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	STALLION/GELDING REPRODUCTION		
CS16760	**Testosterone** Single testosterone level.	**0.5 mL serum in red top or serum separator tube**	**3-5 days**
CSEMEN	**Semen Analysis** Sperm Count (including Total Volume and pH), with Cytologic Evaluation	**2.0 mL semen (fresh or extended) in lavender top tube**	**1-2 days**
	CRYPTORCHID TESTING		
CS16300	**Estrone Sulfate** Valid for testing if greater than 3 years of age	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS14320	**Anti-Mullerian Hormone (Equine)** Valid for testing if less than 3 years of age	**1.0 mL serum in red top or serum separator tube**	**5-10 days**
CS85530	**Testosterone Panel** Pre, 20 min post, 1 hr post, 2 hr post HCG Used to evaluate horses for cryptorchids and granulosa cell tumors. Equine HCG Stimulation Testing Protocol: 1. Take baseline serum sample for testosterone. 2. Administer 6000 IU (total dose) of HCG IV. 3. Take post-HCG testosterone at 20 minutes, 1 hour and 2 hour post administration. 4. If testicular tissue is present, the post values should be greater than 0.4 nmol/L and/or double the baseline level.	**0.5 mL serum for baseline and each post sample (mark each sample with time)**	**3-5 days**
	MICROBIOLOGY		
CM020	**Culture, Aerobic** This test is used when an aerobic bacterial infection is suspected in a tissue or fluid. Interferences: 1. Patient should be off antibiotics for at least 7-10 days. 2. Fluid in lavender top tube is unacceptable (EDTA inhibits growth). Note: tissue should be submitted in an RTT with a few drops of saline (to keep moist). Samples should be refrigerated prior to transportation to the laboratory. A separate sample should be submitted for each type of culture needed.	**Fluid (body cavity fluids), TTW or BAL, sample from wound or lesion in red top tube, or tissue sample in saline. Submission in lavender top tube (with EDTA) is not acceptable.**	**3-4 days** Preliminary report available every 24 hours. Final culture result available in 72 hours. If a fastidious organism is observed, the listed turnaround time may be extended.

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CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM030	**Culture, Anaerobic** This test is used when an anaerobic bacterial infection is suspected in a tissue or fluid. Interferences: sample with exposure to air (or sample that has dried) will preclude accurate testing. Note: fluids should be submitted in an RTT. Tissue should be submitted in an air-tight, sterile container (e.g., urine cup). No saline is necessary. Sensitivities are not performed, but drugs of choice for anaerobes are provided as a guide.	**Fluid (body cavity fluids), TTW or BAL, or sample from wound or lesion in red top tube. Tissue sample (at least 2 cm x 2 cm) in sterile, air tight container. Submission in lavender top tube (with EDTA) is not acceptable.**	**3-5 days** Preliminary report available 3rd day. Final culture result available 4th day
CM040	**Culture, Aerobic and Anaerobic** This test is used when a bacterial infection is suspected in a tissue or fluid, but it is uncertain whether an aerobic or an anaerobic organism is the cause. Interferences: 1. Patient should be off antibiotics for at least 7-10 days. 2. Fluid in lavender top tube is unacceptable (EDTA inhibits growth). Note: fluids should be submitted in an RTT. In the case of an aerobic culture, a copan swab can be submitted. In the case of an anaerobic culture, an anaerobic culturette swab can be submitted. Tissue should be submitted in an air-tight container for anaerobic culture. Tissue should be submitted in a container with a few drops of saline in the case of an aerobic culture. Samples should be refrigerated prior to submission. Sensitivities are not performed, but drugs of choice for anaerobes are provided as a guide.	**Fluid (body cavity fluids), TTW or BAL, sample from wound or lesion in red top tube, or tissue sample (2 x 2 cm) in saline. Submission in lavender top tube (with EDTA) is not acceptable. Sample submitted for anaerobic culture should not be dry or exposed to air**	**3-5 days**
CM060	**Culture, Blood Aerobic Only** This test is used when bacteremia caused by an aerobic bacteria is suspected. Submit a single sample in a BACTEC bottle. Interferences: antibiotics. Note: submit in BACTEC aerobic culture bottle. Clip fur and scrub venipuncture site for aseptic collection. Aim to collect 1.0 mL for cats and small dogs, 2-3 mL for larger dogs to be inoculated into 20 mL bottle. Don't unscrew caps on bottles. Remove the protective top and wipe visible parts of the rubber stopper with 70% ethanol. Allow stopper to dry or wipe with sterile gauze. Replace the drawing needle with a sterile needle before puncturing the rubber stopper, fill until vacuum stops, then gently invert the bottle to mix. Anticoagulants in the media will prevent blood from clotting.	**Whole blood collected in BD Bactec Blood Culture Bottle (BCB)**	**3-5 days**
CM220	**Culture, Enhanced Fluid Aerobic** Interferences: patient should be off antibiotics seven to ten days prior to culture submission. Note: if submitting multiple joints, must be submitted separately in different bags and forms.	**Fluid in BD Bactec Blood Culture Bottle (BCB)**	**3-4 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CM080	**Culture, Fungal** This test is for fungal culture and identification. Not for suspected ringworm infections. Note: submit hair, skin, nails, and bodily fluids on swabs or in sterile containers. For cases suspected of ringworm infection, use CM240 instead or consider ringworm PCR panel. If you are submitting a DTM plate with fuzzy growth, use code CM082.	**Dry hair, nails, skin scraping, body fluid, or lesion material collected in a sterile red top or other sterile container without additive, or on a culturette.** DTM bottle, culturette, container	**3 weeks** Preliminary report every 7 days. Final report available at 3 weeks (or upon identification)
CM130 **Add-on Equivalent CADD210**	**Culture, Urine with *FIRST*ract** *FIRST*ract Urine Culture followed by plating in the case of a positve result for bacterial identification and sensitivity All urine cultures deemed positive by *FIRST*ract, a highly accurate and rapid urine culture technique, will then undergo traditional culture for identification and susceptibility. Interferences: patient should be off antibiotics for seven to ten days prior to urine culture.	**0.5 mL cystocentesis, clean catch or catheterized urine in sterile red top tube or urine transport tube**	**3-4 days** Preliminary reports available every 24 hours. If a fastidious organism is observed, the listed turnaround time may be extended.
	CYTOLOGY		
CCYTO	**Cytology** Includes preparation of submitted sample and microscopic interpretation by clinical pathologist Testing includes a microscopic evaluation of cells. The report includes cytologic interpretation, diagnosis, and comments regarding the etiology and biological behavior where applicable. Note: single source.	**Fluid in red top or lavender top tube, or air-dried, unstained slides with clinical history**	**1-3 days**
CFLUA	**Fluid Analysis** Includes preparation of submitted sample, Cell Count (WBC & RBC), Specific Gravity, Protein measurement, and microscopic interpretation by clinical pathologist This is the appropriate test for the evaluation of fluids from a cavity or tissue space. The fluid will be characterized based on protein, specific gravity, white and red cells, and a pathologist will evaluate the fluid and provide a microscopic description and, when possible, diagnosis. Note: a comprehensive history should be included with the fluid analysis submission.	**1.0 mL body fluid in lavender top or red top with 2 unstained smears prepared from fluid**	**1-3 days**
CCSF	**Fluid Analysis, CSF** Includes preparation of submitted sample, CSF Cell Count (WBC & RBC), Specific Gravity, Protein & Glucose measurement, and microscopic interpretation by clinical pathologist	**1.0 mL cerebrospinal fluid in lavender or red top tube**	**1-3 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CSYFLUA	**Fluid Analysis, Synovial** Synovial Fluid Analysis (Color, Clarity, Specific Gravity, WBC, RBC), Total Protein, and Cytologic Evaluation Note: single source.	**1.0 mL synovial fluid in lavender top tube**	**1-3 days**
CBAL	**Brochoalveolar Lavage Cytology** Includes preparation of submitted sample and microscopic interpretation by clinical pathologist Note: if culture is also being submitted, use Equine Test Form 6 to send in a separate sample in non-additive tube marked CM020.	**1.0 mL airway wash fluid in red top or lavender top tube, or 2 unstained air-dried smears prepared from fluid**	**1-3 days**
CTTW	**Transtracheal Wash Cytology** Includes preparation of submitted sample and microscopic interpretation by clinical pathologist Note: if culture is also being submitted, use Equine Test Form 6 to send in a separate sample in non-additive tube marked CM020.	**1.0 mL airway wash fluid in red top or lavender top tube, or 2 unstained air-dried smears prepared from fluid**	**1-3 days**
CFBX	**Histopathology** Preparation of submitted sample and microscopic interpretation by anatomic pathologist A boarded pathologist will evaluate the tissue submitted for Histopathology. A full written biopsy report will be provided, including source, history, description of submitted tissue, microscopic description, and diagnosis where possible. The pathologist's comments will include, where applicable, margin evaluation, grading, interpretation of special stains, and recommendations for further testing if needed. Note: firmly and evenly tighten the lid of the formalin jar and check for any leaks prior to placing the sample in a ziplock bag with the test requisition form. A comprehensive history should be included with each biopsy submission.	**Tissue in 10% neutral buffered formalin in Antech approved container with screw-on lid** To prevent severe biopsy damage when temperatures are below freezing, we recommend adding 1:10 ratio of isopropyl alcohol (70% or greater) to 10% neutral buffered formalin	**3-5 business days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	INDIVIDUAL TESTS		
CS14466	**Equine 11 Metal & Mineral Panel** Serum: Cobalt, Copper, Iron, Magnesium, Molybdenum, Selenium, Zinc EDTA Whole Blood: Arsenic, Cadmium, Lead, Thallium Serum selenium provides current-day levels, while whole blood selenium indicates selenium status over a longer period of time.	**One or more of the following:** 1. 1.0 mL serum in non-additive tube AND EDTA whole blood 2. 5 grams fresh liver sample in sealed, leak-proof container 3. 50 mg fresh liver biopsy (3 Tru-Cut samples, no fluid added) in sealed, leak-proof container 4. 500 grams of feed (representative sample) in sealed container	**5-10 days**
CS16285	**Equine Viral Arteritis (EVA)**	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CS16510	**Leptospirosis** *L. pomona, L. icterohemorrhagiae, L. canicola, L. grippotyphossa, L. hardjo, L. autumnalis, L. bratislava* The results of this test include a semi-quantitative titer for serovars. Interferences: recent vaccination (within one month) may interfere with testing. Note: test is not species specific.	**1.0 mL serum in red top tube or serum separator tube**	**5-10 days**
CT672	**Lyme Equine Multiplex**	**0.5 mL serum in red top or serum separator tube**	**5-10 days**
CS16848	**Piroplasmosis, Equine** Theileria (*Babesia*) *equi*, *Babesia* caballi.	**2.0 mL serum in red top or serum separator tube**	**10-12 days**
CS16740	***Streptococcus* Equi ELISA** The SeM ELISA test assesses the IgG titer against the S. *equi* specific M protein. It is helpful for making vaccination decisions on horses with existing titers, identifying horses at risk of complications due to elevated titers or for horses with aberrant abscesses (bastard strangles). The SeM ELISA shouldnotbe used to determine the infection status of horses with clinical signs of strangles.	**5.0 mL serum in red top or serum separator tube**	**7-10 days**
CS16850	**Vitamin E** Note: cover sample to prevent exposure to light	**1.5 mL serum in red top or serum separator tube (spun)**	**7-10 days**
CS17505	**Vitamin E/Selenium**	**1.5 mL serum in red top or serum separator tube (spun)**	**7-10 days**

LARGE ANIMAL

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
	CBC AND CHEMISTRY		
CT332	**CBC and Fibrinogen** Interferences: marked hemolysis or lipemia.	**1.0 mL EDTA whole blood and 0.5 mL citrated plasma**	**Daily** Performed each shift
CT365	**Fibrinogen** This test is used to measure the concentration of functional fibrinogen in the plasma. Interferences: clotted sample precludes analysis. Citrated Whole Blood (blue top tube) or citrated plasma is the only acceptable sample. The tube should be greater than 2/3rds filled. If submitting separated citrated plasma, label it as Citrated Plasma.	**0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line**	**Daily** Performed each shift
CL1001	**Ruminant Chemistry** Total Protein, Albumin, Globulin, A/G Ratio, AST (SGOT), Alk Phos, GGT, T. Bilirubin, D. Bilirubin, BUN, Creatinine, BUN/Creat Ratio, Phophorus, Glucose, Calcium, Magnesium, Sodium, Potassium, NA/K Ratio, Chloride, Cholesterol, Triglyceride, CPK, LDH Sample Handling: serum separator samples should be spun prior to submission. Red top tubes should be spun and serum transferred to a non-additive tube and marked as SERUM. If the serum is not separated from the red blood cells, chemistry values can be affected.	**0.5 mL serum in red top or serum separator tube**	**Daily** Performed each shift
CL080	**Ruminant Chemistry/CBC/Fib**	**0.5 mL serum, 1.0 mL EDTA whole blood, and 0.5 mL citrated plasma**	**Daily** Performed each shift
	INDIVIDUAL TESTS		
CS16035	***Anaplasma* CF, Bovine** Interferences: severe hemolysis or lipemia will preclude testing.	**2.0 mL serum in red top or serum separator tube**	**5-10 days**
CS16124	***Babesia* Bovis**	**1.0 mL serum in red top or serum separator tube**	**7-10 days**
CT785	**Baermann** Baermann test is to detect lungworm larvae in fecal samples. Sample Handling: specimen should be tested within 24 hours of collection.	**10 grams feces in Antech provided fecal container**	**2-4 days**
CS14456	**Bovine Herpes Virus**	**1.0 mL serum in red top or serum separator tube**	**5-10 days**

CODE	TEST NAME | DESCRIPTION | COMPONENTS	SPECIMEN	TAT*
CS16844	**Bovine Viral Diarrhea (BVD) ELISA**	1.0 mL of serum from precolostral newborn calves or calves older than three months are suitable for testing. Ear notches from animals of all ages may also be tested	7-10 days
CS86551	**Bovine Viral Diarrhea (BVD) PCR**	2.0 mL EDTA whole blood in lavender top tube, fresh tissue, semen, or milk	7-10 days
CS16145	**Caprine Arthritis Encephalitis (CAE)**	1.0 mL serum in red top or serum separator tube	7-10 days
CS16425	**IgG Bovine** Test is species specific for bovine. Methodology is the RID Method.	1.0 mL serum in red top or serum separator tube	7-10 days
CS16430	**IgG Llama** Test is species specific for llama. Methodology is the RID Method.	1.0 mL serum in red top or serum separator tube	3-7 days
CS16302	**Johne's Disease Antibody** Whole herd screening.	1.0 mL serum in red top or serum separator tube	5-10 days
CT805	**Ova and Parasite** Fecal ova and parasites. Samples are appropriately mixed with zinc sulfate solution, centrifuged, followed by flotation and slide evaluation. Note: sample should be evaluated within 24 hours of collection. If a worm has been identified in the sample, separate the worm and place it in a container labeled Worm in black, additionally mark Worm on the TRF being submitted with the sample.	5 grams feces in Antech provided fecal container	1-2 days

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Senior Profile 2 with SDMA, FeLV, FIV	CSA780	50
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Senior Profile 2 with SDMA, Vaccine Titers	CSA760	52
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Superchem with SDMA, CBC, FeLV, FIV	CSA490	53
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Superchem with SDMA, CBC, T4, UA, Feline Heartworm, FIV, FeLV, KeyScreen®	CKS715	**32**
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