



ZOETIS DIAGNOSTICS

reference
laboratories
by *zoetis*

Directory of Services

2026



Dear Valued Veterinary Partner,

At Zoetis Reference Laboratories, our commitment to innovation is rooted in a clear purpose: to help you deliver faster, more confident care through diagnostics you can trust. Every investment we make is designed to enhance speed, precision, and consistency—so you can focus on what matters most: your patients.

We're proud to share a major milestone in that journey, the opening of our newest and largest diagnostics reference laboratory at the UPS Healthcare Labport facility in Louisville, Kentucky. This state-of-the-art lab expands our capacity to serve clinics nationwide with greater efficiency and scale.

As part of this expansion, we've begun bringing Molecular testing in-house, marking a key step in broadening our diagnostic capabilities. This enhancement allows us to expand our test menu with greater agility, introduce new offerings more efficiently, and better meet the evolving needs of your practice. We're also actively investing in research and development of new diagnostic tests, ensuring that our portfolio continues to grow in ways that support emerging clinical challenges and deliver deeper insights for veterinary care.

Our team of experienced medical professionals remains dedicated to supporting you at every step, and our quality standards continue to be guided by proven practices from human diagnostic medicine. Together, we're building a stronger foundation for veterinary care, one that empowers your practice and improves outcomes for the animals you serve.

Thank you for your continued trust in Zoetis Reference Laboratories.

Sincerely,

Kavita Bhat

Kavita Bhat, Ph.D.

Vice President of US Zoetis Reference Laboratories, Global Diagnostics

Quality is Key

Expect excellence from our rigorous Quality Management System (QMS)

The Zoetis Reference Laboratories (ZRL) Quality Management System incorporates American Society for Veterinary Clinical Pathology (ASVCP) quality standards¹ as best practice but doesn't stop there. ZRL goes the extra mile by incorporating gold standards from human laboratory diagnostic medicine into our Quality program, including Clinical and Laboratory Standards Institute (CLSI), ISO 15189 and College of American Pathologists (CAP). From timely test results to technical oversight to comprehensive tracking of metrics, we continually strive for excellence in all that we do.



Rigorous quality standards upheld in all locations and departments and through all phases of testing

Our commitment to quality and continuous improvement supports veterinarians in providing a high level of care to their patients. The rigorous ZRL quality program includes:

- Dedicated, experienced Quality team with National and Regional leadership
- Medical leadership, ensuring both service excellence and focus on patient safety and well-being
- Rigorous analytical performance oversight, including robust validation, calibration, quality control (QC) and proficiency testing (PT)
- Comprehensive staff training and competency program
- Semi-annual internal auditing program
- Comprehensive and proactive management of non-conforming events
- Monitoring and incorporation of customer feedback for improvement projects
- Continuous improvement program, incorporating Lean and Six Sigma² principles and tools

The ZRL laboratory team is assembled to ensure quality

Our diligent, well-rounded and diverse laboratory team includes:

- Board-Certified (DACVP) Clinical and Anatomic Pathologists
- Board-Certified (DACVP) Parasitologist
- Clinical Microbiologist (PhD)
- Board-Certified Specialty Consultants
- Extensively credentialed Quality leadership
- Qualified Technicians (MLS/MT/CLS, RVT/CVT and BS/MS)

References: 1. American Society of Veterinary Clinical Pathology. Quality Assurance and Laboratory Standards (QALS) Guidelines. https://www.asvcp.org/page/QALS_Guidelines. Accessed September 30, 2024.
2. American Society for Quality. What is Lean Six Sigma? <https://asq.org/quality-resources/six-sigma>. Accessed September 30, 2024.

A Guide to This Directory

Welcome to the 2026 Directory of Services for Zoetis Reference Laboratories!

To ensure our Directory is as helpful as possible, we've rearranged it to make the information you need more easily accessible, including:

- A simplified look at [turnaround times](#) that includes sample collection and submission guidelines
- Information to help you [determine which of our test options best fits your patient's needs](#)
- How you can easily [order tests and view the results digitally](#) anytime, anywhere
- How to [order supplies](#)

Refer to the [Table of Contents](#) for a comprehensive list of the resources available to you in this guide.

Using the interactive features

- Use the Table of Contents or the navigation bar across the bottom of each page to jump directly to sections.
- Click test codes throughout the Directory to navigate to that test.
- **Adobe Acrobat Reader® users:** Click KEY in the upper right corner throughout the Test Menu section to access the table key.
All other users: View the [key](#) here.
- Not sure where to find a test? Locate it within the alphabetical test listing at the back of this Directory, then click the test code to navigate to it.

Need extra support?

We're happy to help. Please feel free to contact us using the numbers listed in our [Dedicated Customer Service](#) section.

Contents

Select a section to jump directly to that page.

Everything you need to know, from our next-day turnaround times to how to choose a test, prepare and submit your sample, and access your results.

A listing of our comprehensive test menu, organized by species, then laboratory section, then by test name.

Fecal/Parasitology 110

Serology/Infectious Diseases 113

Diagnostic Core Panels 27

Urine 54

.....
An overview of our policies pertaining to species, add-on tests, sample retention, payment and processing fees, and more.
.....

Diagnostic Core Panels 94

An alphabetical listing of our tests by species.

About Zoetis Reference Laboratories

Your Laboratory Testing Partner

Zoetis Reference Laboratories gives you deeply informed diagnostic insights with a comprehensive test menu and reliable turnaround times, backed by expert support, all easily accessible through innovative connectivity solutions.



Diagnose with **expert medical insights**

- ✓ Dedicated anatomic and clinical pathologists
- ✓ Comprehensive test menu with next-day results
- ✓ Accurate results supported by specialist insights for enhanced patient outcomes



Tailor your diagnostic approach with **flexible solutions**

- ✓ Fully customizable diagnostic workflows, from test to treatment selection
- ✓ Seamlessly integrated with Vetscan Imagyst® and other in-clinic analyzers
- ✓ End-to-end ordering and support managed via your PIMS and the ZoetisDx portal



Optimize your point-of-care with **high-value diagnostics**

- ✓ Maximize efficiency by integrating Zoetis Reference Laboratories into your practice workflow
- ✓ Standardize monthly costs with tiered pricing options
- ✓ Expand your diagnostics and grow your practice with My Zoetis Rewards

Test on Your Terms

From the clinic to the reference lab and everything in between, we've got you covered.

Our reference laboratory service is always there as foundational support for your diagnostics practice, with quality, next-day results you can rely on. It's just one part of an innovative Zoetis Diagnostics offering that enables a uniquely integrated, fully customizable workflow for your practice and your patients.

This powerful portfolio of products and services gives you the tools to confidently diagnose and treat any case in the way that best suits your patients' needs. And it's all supported by the Zoetis Virtual Laboratory — an integrated support network of board-certified specialists paired with diagnostic insights that enhances every element of your diagnostic practice.

Wherever and however you test, you'll get the deep insights you need to elevate patient care.



Comprehensive Diagnostics

Full-service reference laboratories and breakthrough point-of-care capabilities for cytology, hematology, fecal testing and more.



Expert Support

Convenient expert review[†] and complimentary specialist consultations on any case via Zoom or email.



Connected Insights

Anytime, anywhere access to digital ordering, test results, expert support and more on the ZoetisDx portal — conveniently integrated with your PIMS*.

* Compatible with select practice information management software (PIMS).

† Additional costs may apply.

Turnaround Times

Fast, high-quality results are more important than ever in veterinary diagnostics. Our turnaround times reflect this, helping to ensure you have the results you need when you need them — easily accessed through your ZoetisDx portal — so you can make informed treatment decisions as quickly as possible.

Most common tests performed in our laboratories provide next-day results. Send-out testing, cultures and other tests may take longer. For specific test information, find your desired test in the test menu.

Routine Testing

Test Type	Results Delivery Turnaround Time	Sample Collection and Submission Guidelines For seasonal shipment tips, click here .
Chemistry (e.g., ClinChem 25, Total T4, SDMA)	Next day by 8 AM	<ul style="list-style-type: none"> - Fasted samples are recommended to avoid lipemia - Collect in SST or RTT - If using a RTT, separate serum from the cellular component within 1 hr of collection - Follow centrifugation best practices - Label aliquoted serum sample as SERUM
Hematology (e.g., CBC)	Next day by 8 AM	<ul style="list-style-type: none"> - Fasted samples are recommended to avoid lipemia - Use the largest vein and largest needle that can safely be used - Collect in LTT (CBC) or BTT (most coagulation tests) - Fill tubes to the blood tube's volume fill line. Failure to do so may clinically affect results. - Label aliquoted plasma as CITRATED PLASMA, if relevant - Coagulation testing requires special handling and separation of citrated plasma immediately after collection
Infectious Disease Serology (e.g., Heartworm, Lyme)	Next day by 8 AM	<ul style="list-style-type: none"> - May use whole blood, plasma or serum, as indicated by specific test ordered - Fasted samples are recommended to avoid lipemia - Follow separation/centrifugation best practices - Label aliquoted serum or plasma as such, including the type of plasma (e.g., EDTA PLASMA or CITRATED PLASMA)
Urinalysis	Next day by 8 AM	<ul style="list-style-type: none"> - Recommend submission of ≥ 5 ml of urine for most accurate results - Urine volume submissions < 1 mL may result in incomplete urinalysis testing - Collect in a sterile, single-use yellow top urine tube with no additive or sterile urine collection cup - Label the tube URINE
Fecal Parasite Tests (e.g., Ova & Parasites, Giardia Antigen Test)	Next day by 5 PM	<ul style="list-style-type: none"> - 3-5 grams of fresh feces in sealed fecal cup

For general guidelines and additional shipping requirements, see [Sample Guidelines & Submission](#) for the type of test you are ordering.

[Core Lab Specimens](#) | [Parasitology Specimens](#) | [Microbiology Specimens](#) | [Histopathology Specimens](#) | [Cytology Specimens](#)

Turnaround Times (cont'd)

Pathology

Test Type	Results Delivery Turnaround Time	Sample Collection and Submission Guidelines For seasonal shipment tips, click here .
Cytopathology	1-2 days, Mon-Fri	<ul style="list-style-type: none"> - Use new, clean glass slides with frosted edge - Label slides clearly with patient name and site sampled using a pencil on frosted edge - Collect sample using the appropriate method for the lesion type; FNA is most common - Fluid submissions for cytology should be collected into an EDTA tube and refrigerated until sample pickup. - Glass slides should NOT be refrigerated.
Histopathology	<p>Simple 3-7 days, Mon-Fri</p> <p>Complex Level 1 3-9 days, Mon-Fri</p> <p>Complex Level 2 Varies by nature of sample</p>	<ul style="list-style-type: none"> - Formalin fixed or fresh tissue - History and description of the lesion is essential to a quality interpretation - Indicate the number of containers and specimens being sent - Label containers with the source of specimen - Formalin fixed tissue may be stored at room temperature - Keep fresh tissue refrigerated until sample pickup (do not freeze)

Turnaround Time Policy

Our goal is to meet published turnaround times and ensure results are delivered as quickly as possible.

- Turnaround times for routine testing do not include Sunday.
- Turnaround times for pathology testing do not include Saturday and Sunday.
- Electronic orders are preferred. Manual Paper requisition forms may extend turnaround time.
- If the quality of a sample we receive prevents us from producing quality results within our promised turnaround time, we will notify you. Examples include samples that are damaged, contaminated, incorrectly preserved or packed, and samples that do not meet volume requirements.
- Once a specimen is received at the lab, we assume any risk of loss or damage.
- We reserve the right to reject any specimen likely to pose an unreasonable health or safety risk to our lab staff.

Send-Out Testing

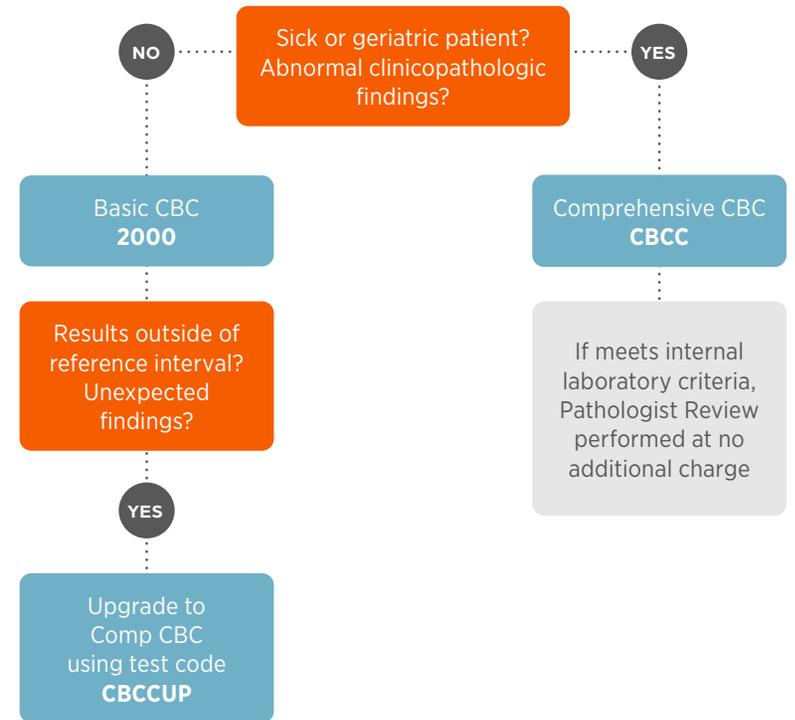
Some tests in our Directory are not performed at Zoetis Reference Laboratories. Turnaround times for these tests are dependent on the partner laboratory that processes these tests.

Zoetis Reference Labs Testing Options: Hematology

Choose the CBC test that's best for your patients.

At Zoetis Reference Laboratories, our CBCs are grounded in quality standard operating procedures developed by a team of board-certified clinical pathologists. Expertly trained technicians produce quality results, collaborating directly with pathologists as needed along the way.

	Basic Test code: 2000	Comprehensive Test code: CBCC
	Recommended for wellness screens in non-geriatric, healthy patients	Recommended for sick or geriatric patients
WBC, HGB, RBC, HCT, MCV, MCHC, CHCM, RDW, 5-Part WBC Differential, Platelet Count, MPV	✓	✓
Performed if indicated based on automated results: Spun PCV, Manual WBC Differential, Assessment for Platelet Clumping +/-, Visual Platelet Estimate, and/or Reticulocyte Count	✓	✓
Comprehensive manual smear review by technician		✓
Pathologist review if indicated by laboratory established criteria		✓



See the full list of Hematology Tests for...

[Canine & Feline](#) | [Large Animals](#) | [Avian, Exotic, & Small Mammal](#)

Test requirements: EDTA whole blood, air-dried slides

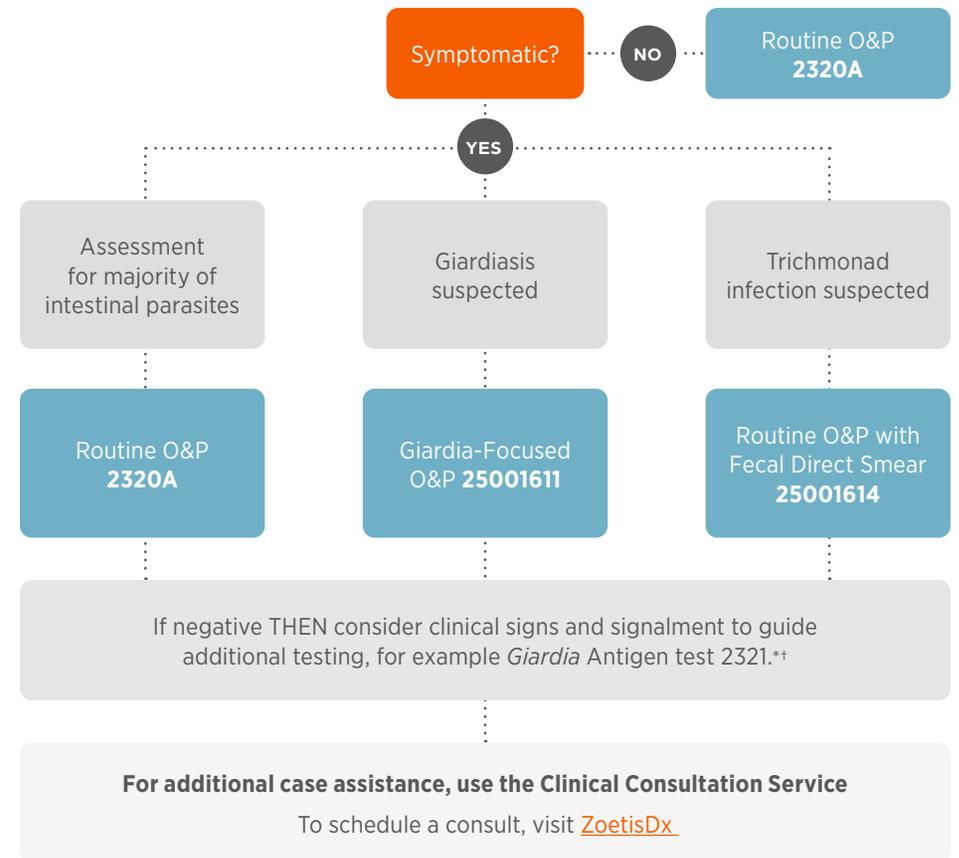
Zoetis Reference Labs Testing Options: Fecal/Parasitology

Solutions tailored to your patients' medical needs

- Ova and Parasite (Centrifugal Fecal Flotation) Test | **2320A**
- *Giardia* Antigen Test | **2321**
- *Giardia* Antigen Test, Canine/Feline Add-on | **A2321**
- Ova and Parasite (Centrifugal Fecal Flotation) Test and *Giardia* Antigen Test | **2320**
- *Giardia*-Focused O&P | **25001611**
- Fecal Direct Smear Test | **25001610**
- Fecal Sedimentation Test | **25001612**
- Baermann Test | **BAER**
- O&P (Centrifugal Fecal Flotation) Panel | **25001613**
- O&P (Centrifugal Fecal Flotation) with Direct Smear | **25001614**

See the full list of Fecal/Parasitology Tests for...

[Canine & Feline](#) | [Large Animals](#)



* If *Giardia* is confirmed and treated, follow-up testing 24-48 hours after completion of treatment is recommended.

† *Giardia*-focused O&P is recommended for both asymptomatic and symptomatic patients. If no ova or parasites are seen in symptomatic patients, recommend *Giardia* Ag test

Zoetis Reference Labs Testing Options: Cytopathology

Solutions tailored to your medical need

Our standard turnaround time is 1-2 days, Mon-Fri.



Cytopathology Simple/Single Site | 7120

For the following sample types:

- Single lesion/tissue (FNA, swab, impression smear)
- Single or multiple lymph nodes
- Single joint (slides only)
- Fluid from mass lesion (cytology only)



Cytopathology Complex | 7201

For the following sample types:

- Multiple lesions/tissues (FNA, swab, impression smear) - up to 7 sites
- Joint fluid in LTT (single or multiple)
- Multiple joints (slides only)
- Cavitory effusion (single or multiple)
- CSF
- Bone marrow
- BAL/TTW
- Other fluids/lavage

See the full list of Cytopathology Tests for...

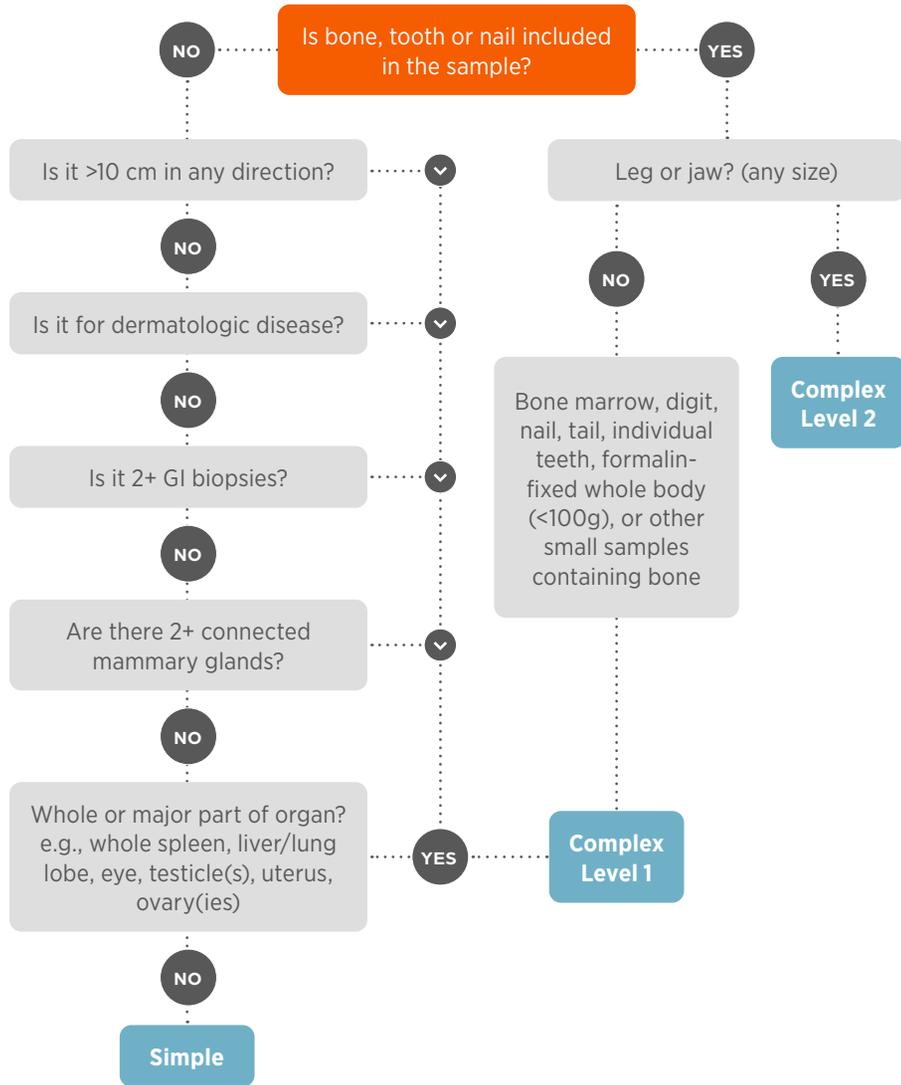
[Canine & Feline](#) | [Large Animals](#)

Learn more about the clinical pathologists supporting you and your patients

[Meet the Experts](#)

Zoetis Reference Labs Testing Options: Histopathology

Is your sample simple or complex? Find solutions tailored to your needs



Multiple sample combinations: Which test code is right for you?

Number and Type of Samples Included	Test Selection
2-5 Simple Sites	Simple Multiple Sites ZN101
6-15 Simple Sites	Complex Level 1 ZN102
>15 Simple Sites	Complex Level 2 ZN103
2+ Complex Level 1 Sites	Complex Level 2 ZN103
Complex Level 1 Site & <5 Simple Sites	Complex Level 1 ZN102
Complex Level 1 Site & >5 Simple Sites	Complex Level 2 ZN103

Specialty Panels

- Dermatopathology Panel | **ZN400**
- Liver Panel | **ZN500**
- Liver Panel & Medical Consult | **25001436**
- Renal Panel | **ZN25000541**

See the full list of Histopathology Tests for...

Canine & Feline | **Large Animals**

Learn more about the anatomic pathologists supporting you and your patients

Zoetis Reference Labs Testing Options: Histopathology (cont'd)

Synoptic reporting designed to improve interpretation

We're pleased to tell you about our histopathology report format for malignancies and gastrointestinal biopsies.

This report structure, known as synoptic reporting, breaks down results into easy-to-read tables and checklists. By simplifying data presentation and ensuring consistency of formatting, we're making it easier for you to:

- Locate and evaluate key diagnostic and prognostic features
- Scan and digest report findings
- Communicate effectively with pathologists



Tube Guide

Use this quick reference guide to identify which tubes are appropriate for sample collection, based on sample type and common test usage.

For instructions on how to prepare and submit your sample, please refer to the collection guidelines specific to your sample type.

Tube Type	Additive	Sample Type(s)	Tube Description	Common Uses
Blue-top tube ● BTT 	3.2% sodium citrate anticoagulant	Plasma	Light blue top – Microtube also available for low-volume samples (very small, pediatric, and exotic species)	Coagulation testing (PT, aPTT, coagulation factor assays)
Purple-top or lavender-top tube ● LTT 	Potassium EDTA anticoagulant	Whole blood or plasma (EDTA plasma is rarely required)	Purple or lavender top – Microtube also available for low-volume samples (very small, pediatric, and exotic species)	Most common use: – Whole blood for CBC
Green-top tube ● GRNTT 	Lithium heparin	Whole blood or plasma	Green top – Microtube also available for low-volume samples (very small, pediatric, and exotic species)	Most common use: – Free (ionized) calcium, whole blood for point-of-care chemistry testing Other uses: – Lithium heparin plasma sometimes required for specialized testing
Mint- or light green-top microtube ■ M-GRNTT 	Lithium heparin	Plasma	Mint- or light green-top microtube – Opaque, light yellow gel at bottom of tube – Differs from green-top tube in that it contains a gel barrier that separates RBCs from plasma when centrifuged	Most common use: – Lithium heparin plasma sometimes required for specialized testing
Red-top tube ● RTT 	Clot activator	Serum	Red top with chalky residue (clot activator) in tube Please note: No-additive RTTs are also available. Tubes with clot activator should not be used when a no-additive tube is required.	Most common use: – Serum chemistry testing Other uses: – Immunology – Serology – Many others

Tube Guide (cont'd)

Tube Type	Additive	Sample Type(s)	Tube Description	Common Uses
Serum-separator tube or tiger-top tube ○ SST 	Clot activator (embedded in gel)	Serum	Red top, red and black marble top (tiger top) <ul style="list-style-type: none"> - Pediatric tube with gold-top microtube also available for low-volume samples (very small, pediatric, and exotic species) - Important not to confuse gold-top tube with yellow-top urine tube - All tubes have opaque light yellow gel at bottom of tube 	Most common use: <ul style="list-style-type: none"> - Serum chemistry testing Other uses: <ul style="list-style-type: none"> - Immunology - Serology - Many others
White-top tube ○ WTT 	No additive	Serum or Plasma	White top (no additive)	Used when serum or plasma needs to be separated from RBCs and removed from original collection tube to avoid prolonged contact with RBCs or separator gel <ul style="list-style-type: none"> - Used when special handling of sample required (such as freezing) - Sometimes used for collection of fluids/urine and materials for culture
Yellow-top tube ● YTT 	No additive	Urine	Bright yellow top <ul style="list-style-type: none"> - May have a conical or tapered base - Do not confuse with gold-top serum tubes used occasionally 	Urine for urinalysis and other various tests

Sample Guidelines & Submission

Core Lab Specimens

Core Lab specimens include whole blood, serum, plasma, urine, other liquid samples and blood smears (slides).

- Label all tubes with the patient's first and last name.
- Serum, plasma or sometimes urine cannot be differentiated visibly. Be sure to label the tube with the type of sample it contains. Plasma must be further differentiated as containing EDTA, Citrate or Heparin plasma.
- Refrigerate within 30 minutes of collection and keep refrigerated until sample pickup.
- Do not freeze samples unless expressly indicated in the test menu.
- If shipping refrigerated samples via UPS, include a frozen ice pack in the packaging. Wrap the ice pack in a paper towel or similar covering to avoid direct contact with the sample, which may cause the sample to freeze.
- For CBC submissions, we recommend making a blood smear at the time of sample collection. Store any prepared slides at room temperature. Refrigeration of glass slides causes condensation that can destroy the sample. Submit any prepared slides along with the sample tubes.
- Samples that must be shipped frozen require additional special handling. Consult the [Test Menu](#) or contact [Customer Service](#) for specific shipping recommendations.

See the [full blood sample collection and submission guidelines](#), which includes best practices for whole blood, plasma, serum and urine.

Parasitology Specimens

Parasitology specimens include feces.

- Refrigerate as soon as possible after collection and keep refrigerated until sample pickup.
- Include a frozen ice pack in the packaging.
- Wrap the ice pack in a paper towel or similar covering to avoid direct contact with the sample, which may cause the sample to freeze.

Microbiology Specimens

Microbiology specimens include culture swabs, liquid samples (e.g., urine), tissue and feces.

- Collect specimens as aseptically as possible to prevent overgrowth by normal flora.
- Collect before the administration of microbials, whenever possible.
- Label sample with the patient's first and last name, the source/site, and date of collection.
- Store and ship culture swabs at room temperature.
- Refrigerate urine, feces or tissue being submitted for culture within 30 minutes of collection, and keep refrigerated until sample pickup.
- If shipping refrigerated samples via UPS, include a frozen ice pack in the packaging. Wrap the ice pack in a paper towel or similar covering to avoid direct contact with the sample, which may cause the sample to freeze.
- Do not send needles, razors, broken glass, plastic or anything sharp with your sample or as your sample.
- Please properly discard used needles or other sharps prior to transportation. For the submission of syringes, the needle must be removed and the syringe capped prior to transportation to ensure there is no leakage.

See the [full microbiology sample collection and submission guidelines](#).

Sample Guidelines & Submission (cont'd)

Histopathology Specimens

Histopathology specimens include biopsies — formalin-fixed and fresh tissue.

- Complete the requisition form as indicated for pathology submissions. History and description of the lesion are vital to a quality histopathology report.
- Indicate the number of containers and specimens being sent so the lab can appropriately verify receipt of all samples.
- Label the container(s) with the patient's first and last name, collection date, and source of specimen. Ensure this labeling matches information supplied on the requisition form.
- Fresh tissue must be kept cold with ice packs during shipment to avoid tissue autolysis. See below for additional guidance.
- Place the specimen and any forms in separate, sealed plastic bags. Double bag specimens, whenever possible.
- Ice packs can break or leak during shipping, which is why we stress sealing accompanying forms in separate, sealed plastic bags.

Formalin-fixed tissue

- Always place tissues in 10% neutral buffered formalin to ensure appropriate fixation. A 10:1 formalin to tissue ratio is recommended.
- In extreme cold, add isopropyl or ethyl alcohol to your formalin jars (1 part alcohol to 10 parts formalin) to prevent freezing. Note "alcohol added" on the container or in the submission notes.
- In extreme heat, submit samples in an insulated shipping container with frozen ice packs.

Fresh tissue

- In extreme cold, submit samples in an insulated shipping container and include cold (not frozen) soft gel ice packs.
- In extreme heat, submit samples in an insulated shipping container with frozen ice packs.

See the [full histopathology sample collection and submission guidelines](#).

Cytology Specimens

Cytology specimens include customer-prepared slides and liquid samples.

- Use new, clean glass slides with a frosted edge.
- Using a pencil (ink labeling can wash off), label slides clearly on the frosted edge with the patient name and sites.
- Store any prepared slides at room temperature. Refrigeration of glass slides causes condensation that can destroy the sample.
- For shipping cytology slides, we recommend using hard plastic slide boxes designed for this purpose. Ensure all slides have completely air-dried before packaging. DO NOT enclose slides in slide boxes prior to drying, as this can damage the sample due to humidity.
- Avoid shipping any cytology slides or liquid samples inside packaging that also contains any form of formalin. Fumes can escape from closed formalin containers or liquid formalin can leak en route. Both formalin fumes and liquid formalin can destroy a cytology slide.
- Refrigerate any liquid samples (e.g., cavitory effusion, CSF) until sample pickup.
- If liquid samples are being shipped for cytology, include a frozen ice pack in the packaging. Wrap the ice pack in a paper towel or similar covering to avoid direct contact with the sample, which may cause the sample to freeze.
- If a liquid cytology sample is intended for cytological examination, we recommend using an EDTA tube. If a liquid cytology sample is also intended for culture, submit an additional sterile, no-additive tube aliquot.
- We recommend preparing a direct fluid smear at the time of liquid specimen sample collection. Submit any prepared slides with the sample tubes of liquid samples.

See the [full cytopathology sample collection and submission guidelines](#).

Seasonal Shipment Tips

Tips for Summer

Extreme heat can compromise sample integrity. Follow these guidelines to help maintain sample quality.



Do not place samples in lockboxes or outdoors until close to sample pickup.



Include ice packs for any refrigerated samples and consult the specimen instructions for any frozen sample shipping requirements (dry ice may be required).



Multiple ice packs may be utilized when temperatures are 90°F and above.



Wrap the ice pack in a paper towel or similar covering to avoid direct contact with the sample, which may cause the sample to freeze.

Tips for Winter

Extreme cold can compromise sample integrity. Unintentional freezing of samples can render them useless. Follow these guidelines to help maintain sample quality.



Do not place samples in lockboxes or outdoors until close to sample pickup.



Do not use a frozen ice pack in cold weather. Instead, use a cold (not frozen) soft gel ice pack, placing the pack around the samples. This will help ensure temperature distribution during transit, decreasing the likelihood of sample freezing.



In extremely cold weather consider using a Styrofoam-insulated box for shipping.

Sending Your Sample

Our goal is to offer you the best reference lab experience. To make sure sending samples to us is as convenient as possible, we are covering the cost of transportation fees for qualified customers.*

Next-day Service with UPS®



Please follow the instructions to the right, but feel free to give us a call at **1-888-965-9652** or reach out to your local representatives if you have any questions.

Simple Steps for Sending a Package Via UPS:

1. Request a UPS label

- Call Customer Service at **1-888-965-9652** to create and print a shipping label. We will provide you with UPS shipping labels that are addressed to Zoetis Reference Laboratories.
- You must use these UPS labels on all packages you send to Zoetis Reference Laboratories. This will ensure that your packages are delivered to us as quickly and as safely as possible.

2. Prepare the package

- Put your labeled and packaged samples in the UPS Laboratory Pak and seal.
- We have insulated mailers available for shipping in extreme temperatures. If you are using these, place everything, including ice packs, inside the insulated mailer, place the insulated mailer inside the UPS Laboratory Pak, and seal.
- Peel and affix the UPS label. Multiple samples can go in one UPS Laboratory Pak.
- Keep the separate, smaller “customer copy” label that contains the UPS tracking number for your records. If any issues arise during shipping, having the UPS tracking number is essential when trying to locate your package.
- For seasonal tips, [click here](#).

3. Set up your clinic as a UPS Package Pickup Point

- We recommend setting up your clinic as a UPS Package Pickup Point (UPS-PPP). This is a free service that will be completed for you during the onboarding process.
- If you anticipate sending samples more than 3 times a week, scheduling a daily UPS pickup is recommended.
- Once your package pickup point is activated and a schedule established, the driver will stop by daily within the assigned time frame, with no call or email required. (Note: The UPS driver will pick up any UPS packages at your location.)

* \$55.00 monthly Processing and Handling fee applied to customers spending \$500 or less per month.

To find out if courier service is available for your practice, please contact your Zoetis Diagnostics representative or call us at **1-888-965-9652**.

Access Your Results Anytime, Anywhere, from Any Device

A Zoetis-connected practice means you can access the power of a comprehensive and fully integrated suite of Zoetis products and services from your practice management software, your phone and everywhere in between.

The ZoetisDx portal is the connectivity solution from Zoetis that makes it easy to:

- Order and view test results digitally, eliminating the need for paper transactions
- Access the most up-to-date test menu
- Drive informative discussions to improve pet owner-veterinarian communication
- Connect with a global network of board-certified specialists to support your clinical decisions
- Access Zoetis Reference Laboratories and Zoetis point-of-care results on a single, easy-to-use platform

Ready to get Zoetis-connected?

Visit the [ZoetisDx portal](#) to sign up today.



The ZoetisDx portal keeps you
Zoetis-connected

Customer Service

Dedicated Customer Service

Get help your way!

Login to zoetisdx.com

1-888-965-9652

Monday - Friday: 8:00 AM – 8:30 PM ET

Saturday: 9:00 AM – 5:30 PM ET

Sunday: Closed

referencelabsupport@zoetis.com

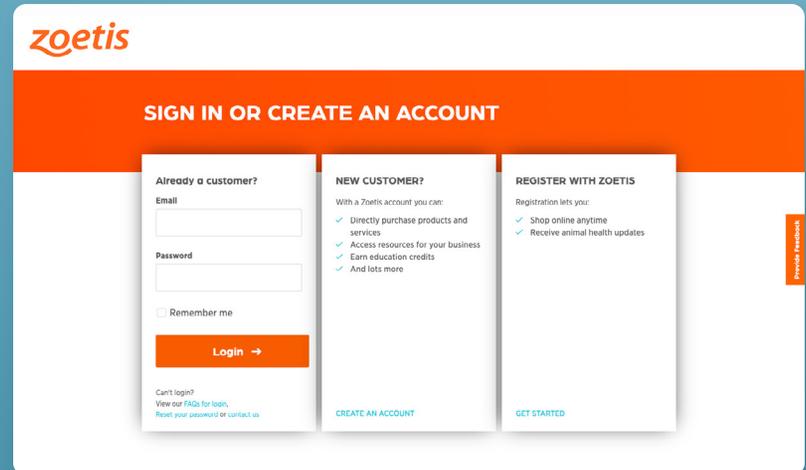
On-demand Solutions

Visit zoetisreflabs.com/customers for these self-service options and more:

- Order supplies
- Print shipping labels
- Register for the ZoetisDx portal

Easy Supply Ordering

We are happy to provide routine laboratory supplies at no charge to our active Zoetis Reference Laboratories customers. To order supplies, please call Customer Service at **1-888-965-9652** or access eCommerce at shop.zoetis.com for all your supplies.



Request your complimentary supplies through customer service or online at shop.zoetis.com

Test Menu

Key

TAT: Turnaround Time

○ **SST:** Serum Separator (gel)

● **RTT:** Clot Activator (no gel)

● **LTT:** K EDTA

● **BTT:** Na Citrate

● **GRNTT:** Lithium Heparin

○ **WTT:** No Additive

● **Feces**

● **YTT:** Designed for urine submission

● **GRYTT:** K Oxalate/Na Fluoride

● **RBTT:** Na EDTA/Na Heparin

† Send-out test

📄 Refrigerate

📄❄️ Refrigerate, do not freeze

📄💡 Refrigerate, protect from light

❄️ Freeze

❄️💡 Freeze, protect from light

🏠 Room temperature

For additional information, see the [Tube Guide](#)





Canine/ Feline



Diagnostic Core Panels Overview

Core Panels – Designed for Clarity, Built for Confidence

At Zoetis Reference Laboratories, our Diagnostic Core Panels are thoughtfully designed to simplify test selection while delivering meaningful insights that support confident clinical decisions.

Our Wellness Core Panels by Life Stage help you proactively manage patient health with age-appropriate testing for puppies, kittens, adults, and seniors—ensuring comprehensive care at every stage of life.

Our Clinical Core Panels provide you with the information you need to evaluate organ systems or disease states in your patients. These scenario-based panels are tailored to common presentations such as endocrine disorders and infectious disease—streamlining your workflow and supporting faster, more targeted treatment plans.



Wellness

Named for **life stages** and generally intended for wellness testing:

- ZRL™ Junior
- ZRL™ Adult
- ZRL™ Senior



Clinical

Named for **clinical area of need** and generally intended for evaluation of specific organ systems or investigation of specific disease states.



Upgrade any Core Panel to a Comprehensive CBC. Use test code **CBCUP**.

Upgrade any Core Panel with a Urinalysis to a Urinalysis with Reflex UPC. Use test code **25001702**.

Junior and Adult Core Panels

Junior Core Panels

All Junior Core Panels include a Basic CBC and a ClinChem 18 with SDMA.



Upgrade any Core Panel to a Comprehensive CBC Use test code **CBCCUP**.

Upgrade any Core Panel with a Urinalysis to a Urinalysis with Reflex UPC. Use test code **25001702**.

Select each code for full test details.

Components	Test Name	Test Code
Basic CBC, ClinChem 18 with SDMA, Urinalysis	ZRL™ Junior Complete	JWP
+ HW	ZRL™ Junior Complete with HW	25001642
Basic CBC, ClinChem 18 with SDMA, Ova and Parasite	ZRL™ Junior with O&P	25001635
+ HW, Tick	ZRL™ Junior with O&P, HW, Tick	25001636
+ Giardia, HW, Tick	ZRL™ Junior with O&P, Giardia, HW, Tick	25001637
Basic CBC, ClinChem 18 with SDMA	ZRL™ Junior	25001634
+ T4	ZRL™ Junior with T4	25001641
+ HW	ZRL™ Junior with HW	25001638
+ HW, Tick	ZRL™ Junior with HW, Tick	25001639
+ PT/aPTT	ZRL™ Junior with PT/aPTT	25001640

Adult Core Panels

All Adult Core Panels include a Basic CBC and a ClinChem 25 with SDMA.

Components	Test Name	Test Code
Basic CBC, ClinChem 25 with SDMA, Urinalysis	ZRL™ Adult Complete	AWP
+ O&P, HW, Tick	ZRL™ Adult Complete with O&P, HW, Tick	25001631
Basic CBC, ClinChem 25 with SDMA, Ova and Parasite	ZRL™ Adult with O&P	25001630
Basic CBC, ClinChem 25 with SDMA	ZRL™ Adult	25000501
+ HW	ZRL™ Adult with HW	25000502

Senior Core Panels

Senior Core Panels

All Senior Core Panels include a Basic CBC, a ClinChem 25 with SDMA, and a T4.



Comprehensive CBC upgrade is recommended for all Senior Core Panels. Use test code **CBCCUP**.

Upgrade any Core Panel with a Urinalysis to a Urinalysis with Reflex UPC. Use test code **25001702**.

Select each code for full test details.

Components	Test Name	Test Code
Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis	ZRL™ Senior Complete	SWP
+ FT4	ZRL™ Senior Complete with FT4	25001656
+ HW, TG	ZRL™ Senior Complete with HW, TG	25001657
+ ZRL Premium Lipase (DGGR Lipase), TG	ZRL™ Senior Complete with ZRL Premium Lipase (DGGR Lipase), TG	25001655
+ O&P, FeLV/FIV	ZRL™ Senior Complete with O&P, FeLV/FIV	25001646
+ O&P, FeLV/FIV, HW	ZRL™ Senior Complete with O&P, FeLV/FIV, HW	25001647
+ O&P, Giardia	ZRL™ Senior Complete with O&P, Giardia	25001650
+ O&P, Giardia, HW, Tick	ZRL™ Senior Complete with O&P, Giardia, HW, Tick	25001651
+ O&P, HW, Tick, ZRL Premium Lipase (DGGR Lipase), TG	ZRL™ Senior Complete with O&P, HW, Tick, ZRL Premium Lipase (DGGR Lipase), TG	25001653
+ O&P, HW	ZRL™ Senior Complete with O&P, HW	25001648
+ O&P, HW, Tick	ZRL™ Senior Complete with O&P, HW, Tick	25001652
+ O&P, HW, Tick, UPC	ZRL™ Senior Complete with O&P, HW, Tick, UPC	25001654
+ O&P, fPLI	ZRL™ Senior Complete with O&P, fPLI	25001649
Basic CBC, ClinChem 25 with SDMA, T4, O&P	ZRL™ Senior with O&P	25001643
+ HW	ZRL™ Senior with O&P, HW	25001644
Basic CBC, ClinChem 25 with SDMA, T4	ZRL™ Senior	SBASIC
+ FT4	ZRL™ Senior with FT4	25001645

Clinical Core Panels

Our Clinical Core Panels provide you with the information you need to evaluate organ systems or disease states in your patients.



Upgrade any core panel to a Comprehensive CBC Use test code **CBCCUP**.

Upgrade any Core Panel with a Urinalysis to a Urinalysis with Reflex UPC. Use test code **25001702**.

Select each code for full test details.

Components	Test Code	CBC	ClinChem	UA	T4	SDMA	Reflex UPC	Fructosamine
ZRL™ Mature Cat	25000500	Basic	Mature Cat	✓	✓	✓	✓	✓
ZRL™ Critical Care	25000508	Basic	Critical Care	✓				
ZRL™ Renal	25000478	Basic	Renal	✓		✓	✓	
ZRL™ Metabolic	25000493	Basic	Metabolic	✓	✓	✓	✓	✓
ZRL™ Pre-Anesthetic	25000496	Basic	Pre-Anesthetic					
ZRL™ Feline Hyperthyroid	25000490	Basic	Feline Hyperthyroid	✓	✓	✓	✓	

GI-Focused Core Panel

Components	Test Code	ClinChem	ZRL Premium Lipase (DGGR Lipase)	Cbl	Fol	TLI	Cortisol	Giardia Ag	O&P
ZRL™ Canine GI	25000491	25	✓	✓	✓	✓	✓		
ZRL™ Canine GI with O&P, Giardia	25001632	25	✓	✓	✓	✓	✓	✓	✓
ZRL™ Feline GI	25000492	25	✓	✓	✓				
ZRL™ Feline GI with O&P, Giardia	25001633	25	✓	✓	✓			✓	✓

See the [ClinChem Core Panels overview](#) for a list of the components in each panel.

UA = Urinalysis
 Cbl = Cobalamin
 Fol = Folate
 TLI = Trypsin-Like Immunoreactivity

ClinChem Core Panels

Our ClinChem Core Panels focus on key chemistry values such as liver and kidney function, electrolytes, glucose, and protein levels. Whether used for routine screening or to investigate clinical concerns, these panels offer the clarity and consistency your practice depends on.

Test Name	Test Code	Components	Recommended Use Case
ClinChem 18 with SDMA	25001624	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol, SDMA	Health screen or undiagnosed sick patient
ClinChem 25 with SDMA	25001625	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol, CO2, Anion Gap, Mg, AST, GGT, CK, Osmol(c), SDMA	Comprehensive health screen or undiagnosed sick patient
Feline Hyperthyroid ClinChem	25000507	BUN, Creat, K, Phos, Alb, ALT, SDMA, TT4	Monitoring feline hyperthyroid patients
Metabolic ClinChem	25000512	Glu, BUN, Creat, BUN:Creat Ratio, TP, ALP, ALT, Chol, Na, K, Na:K Ratio, Trig, Fructosamine, TT4	Monitoring diabetic patients
Mini Renal ClinChem	25000513	BUN, Creat, K, Phos, Alb	Monitoring renal disease
Renal ClinChem	25000479	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, P, CO2, AG, TP, ALB, Chol, Osmol(c), SDMA	Expanded renal disease monitoring
Mature Cat ClinChem	25000482	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, AST, GGT, CK, TBili, Chol, TT4, Fructosamine	Monitoring senior cat health
Critical Care ClinChem, Canine/Feline	25000488	Glu, BUN, Creat, BUN:Creat Ratio, TP, Alb, Na, K, Na:K Ratio, Cl, CO2, Anion Gap, TBili, Osmol(c)	Monitoring electrolytes, acid base, and renal status
Liver ClinChem	25000510	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, ALT, ALP, GGT, TBili, Chol	Monitoring liver disease
NSAID ClinChem	25000514	BUN, Creat, BUN:Creat Ratio, ALT	Monitoring effects of NSAID therapy
Phenobarbital ClinChem	25000515	Glu, Na, K, Creat, Ca, TP, Alb, ALT, ALP, TBili, Phenobarbital	Monitoring phenobarbital therapy
Pre-Anesthetic ClinChem	25000516	Glu, Na, K, Creat, Ca, TP, ALT, TBili	Health screen prior to anesthesia/sedation

Core Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Junior Complete	JWP	●●●● 1 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container	Basic CBC, ClinChem 18 with SDMA, Urinalysis	8 AM next day
ZRL™ Junior Complete with HW	25001642	●●●● 2 mL serum and 2 mL EDTA whole blood (LTT) 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 18 with SDMA, Urinalysis, Heartworm Antigen	8 AM next day
ZRL™ Junior with O&P	25001635	●●●● 1 mL serum and 2 mL EDTA whole blood (LTT), 3-5g fresh feces	Basic CBC, ClinChem 18 with SDMA, Ova and Parasite	8 AM next day Fecal 5 PM next day
ZRL™ Junior with O&P, HW, Tick	25001636	●●●● 2 mL serum and 2 mL EDTA whole blood (LTT), 3-5g fresh feces	Basic CBC, ClinChem 18 with SDMA, Ova and Parasite, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day
ZRL™ Junior with O&P, Giardia, HW, Tick	25001637	●●●● 2 mL serum and 2 mL EDTA whole blood (LTT), 5g fresh feces	Basic CBC ClinChem 18 with SDMA, Ova and Parasite and <i>Giardia</i> Ag ELISA, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day
ZRL™ Junior	25001634	●●● 1 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 18 with SDMA	8 AM next day
ZRL™ Junior with T4	25001641	●●● 1 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 18 with SDMA, T4	8 AM next day
ZRL™ Junior with HW	25001638	●●● 2 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 18 with SDMA, Heartworm Antigen	8 AM next day
ZRL™ Junior with HW, Tick	25001639	●●● 2 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 18 with SDMA, Heartworm Antigen, Tick Panel	8 AM next day

Core Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Junior with PT/aPTT	25001640	●●●● 1 mL serum and 2 mL EDTA whole blood (LTT), 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)	Basic CBC, ClinChem 18 with SDMA, PT/aPTT	8 AM next day
ZRL™ Adult Complete	AWP	●●●● 1 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, Urinalysis	8 AM next day
ZRL™ Adult Complete with O&P, HW, Tick	25001631	●●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container, 3-5g fresh feces	Basic CBC, ClinChem 25 with SDMA, Urinalysis, Ova and Parasite, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day
ZRL™ Adult with O&P	25001630	●●●● 1 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces	Basic CBC, ClinChem 25 with SDMA, Ova and Parasite	8 AM next day Fecal 5 PM next day
ZRL™ Adult	25000501	●●● 1 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 25 with SDMA	8 AM next day
ZRL™ Adult with HW	25000502	●●● 2 mL serum and 2 mL EDTA whole blood (LTT)	Basic CBC, ClinChem 25 with SDMA, Heartworm Antigen	8 AM next day
ZRL™ Senior Complete	SWP	●●● 1 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis	8 AM next day

Core Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Senior Complete with FT4	25001656	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, FT4	8 AM next day
ZRL™ Senior Complete with HW, TG	25001657	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container, 0.5 mL of serum or EDTA plasma or whole blood	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Heartworm Antigen, Triglycerides	8 AM next day
ZRL™ Senior Complete with ZRL™ Premium Lipase (DGGR), TG	25001655	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, ZRL™ Premium Lipase (DGGR), Triglycerides	8 AM next day
ZRL™ Senior	SBASIC	●●● 1 mL serum and 2 mL EDTA whole blood	Basic CBC, ClinChem 25 with SDMA, T4	8 AM next day
ZRL™ Senior with O&P	25001643	●●●● 1 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces	Basic CBC, ClinChem 25 with SDMA, T4, O&P	8 AM next day Fecal 5 PM next day
ZRL™ Senior with O&P, HW	25001644	●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces	Basic CBC, ClinChem25 with SDMA, T4, Ova and Parasite, Heartworm Antigen	8 AM next day Fecal 5 PM next day
ZRL™ Senior with FT4	25001645	●●● 2 mL serum and 2 mL EDTA whole blood	Basic CBC, ClinChem25 with SDMA, T4, FT4	8 AM next day
ZRL™ Senior Complete O&P with FeLV/FIV	25001646	●●●● 1 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, FeLV/FIV	8 AM next day Fecal 5 PM next day

Core Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Senior Complete O&P with FeLV/FIV, HW	25001647	●●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and parasite, FeLV/FIV, Heartworm Antigen	8 AM next day Fecal 5 PM next day
ZRL™ Senior Complete O&P with HW	25001648	●●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen	8 AM next day Fecal 5 PM next day
ZRL™ Senior Complete O&P, HW, Tick, UPC	25001654	●●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen, Tick Panel, Urine Protein:Creatinine Ratio	8 AM next day Fecal 5 PM next day
ZRL™ Senior Complete O&P with fPLI	25001649	●●●●● 1 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Feline Pancreatic Lipase (PLI) (Texas A&M GI Lab)	8 AM next day Fecal 5 PM next day fPLI 2-5 days
ZRL™ Senior Complete O&P with Giardia	25001650	●●●●● 1 mL serum and 2 mL EDTA whole blood, 5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, and <i>Giardia</i> Ag ELISA	8 AM next day Fecal 5 PM next day
ZRL™ Senior Complete O&P with Giardia, HW, Tick	25001651	●●●●● 2 mL serum and 2 mL EDTA whole blood, 5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, and <i>Giardia</i> Ag ELISA, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day
ZRL™ Senior Complete O&P with HW, Tick	25001652	●●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day

Core Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Senior Complete O&P with HW, Tick, ZRL™ Premium Lipase (DGGR), TG	25001653	●●●●● 2 mL serum and 2 mL EDTA whole blood, 3-5g fresh feces, 5 mL urine in a YTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen, Tick Panel, ZRL™ Premium Lipase (DGGR), Triglycerides	8 AM next day Fecal 5 PM next day
ZRL™ Critical Care	25000508	●●●● 2 mL EDTA whole blood, 1 mL serum, 5 mL urine in YTT/sterile container	Basic CBC, Critical Care ClinChem, Urinalysis	8 AM next day
ZRL™ Feline Hyperthyroid	25000490	●●●● 2 mL EDTA whole blood, 2 mL serum, 5 mL urine in YTT/sterile container	Basic CBC, Feline Hyperthyroid ClinChem, Urinalysis, Reflex UPC	8 AM next day
ZRL™ Mature Cat	25000500	●●●● 2 mL EDTA whole blood, 2 mL serum, 5 mL urine in YTT/sterile container	Basic CBC, Mature Cat ClinChem, SDMA, UA, Reflex UPC	8 AM next day
ZRL™ Canine GI	25000491	●● 2 mL serum in RTT or SST	ClinChem 25, ZRL™ Premium Lipase (DGGR), Cobalamin, Folate, Cortisol, TLI	1-2 days
ZRL™ Canine GI with O&P, Giardia	25001632	●●● 2 mL serum in RTT or SST, 5g fresh feces.	ClinChem 25, ZRL™ Premium Lipase (DGGR), Cobalamin, Folate, Cortisol, TLI, O&P, and <i>Giardia</i> Ag ELISA	ZRL™ Canine GI: 1-2 days O&P & <i>Giardia</i> : 5 PM next day
ZRL™ Complete Coccidioides	25001711	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in a YTT/sterile container	ClinChem 25 w/ SDMA, Basic CBC, UA, Coccidioides Ab Screening Test, Ehrlichia canis IFA, Triglycerides, ZRL™ Premium Lipase (DGGR)	2-3 days
ZRL™ Complete Coccidioides w AGID-Canine	25001730	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in a YTT/sterile container	ClinChem 25 w/ SDMA, Basic CBC, UA, Coccidioides Titer AGID, Ehrlichia canis IFA, Triglycerides, ZRL™ Premium Lipase (DGGR)	
ZRL™ Complete Coccidioides w AGID-Feline	25001732	●●●● 2 mL serum and 2 mL EDTA whole blood, 5 mL urine in a YTT/sterile container	ClinChem 25 w/ SDMA, Basic CBC, UA, Coccidioides Titer AGID, Triglycerides, ZRL™ Premium Lipase (DGGR)	

Core Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Feline GI	25000492	●● 2 mL serum in SST or RTT	ClinChem 25, ZRL™ Premium Lipase (DGGR), Cobalamin, Folate	1-2 days
ZRL™ Feline GI with O&P, Giardia	25001633	●●● 2mL serum in SST or RTT 5g fresh feces	ClinChem 25, ZRL™ Premium Lipase (DGGR), Cobalamin, Folate, O&P, and <i>Giardia</i> Ag ELISA	ZRL™ Feline GI: 1-2 days O&P & <i>Giardia</i> : 5 PM next day
ZRL™ Metabolic	25000493	●●●● 2 mL EDTA whole blood, 1 mL serum, 5 mL urine in YTT/sterile container	Basic CBC, Metabolic ClinChem, Urinalysis, Reflex UPC	1-3 days
ZRL™ Pre-Anesthetic	25000496	●●● 1 mL serum or 2 mL EDTA whole blood	Basic CBC, Pre-Anesthetic ClinChem	8 AM next day
ZRL™ Renal	25000478	●●●● 2 mL EDTA whole blood, 1 mL serum, 5 mL urine in YTT/sterile container	Basic CBC, Renal ClinChem with SDMA, Urinalysis, Reflex UPC	8 AM next day
Urinalysis with Urine Culture & Sensitivity	25001629	● YTT/sterile container Urinalysis: 5 mL urine Urine C&S: 1 mL urine	Urinalysis, Urine Culture & Sensitivity	Urinalysis: 8 AM next day Urine C&S: 1-5 days
Canine Diarrhea PCR [†] with O&P, Giardia Ag	25001623	● O&P, <i>Giardia</i> Ag: 5g feces, Diarrhea panel: feces, fecal swab or GI tissue. Minimum 1g feces in a clean leakproof container. If submitting fecal swab, please submit two.	Canine Diarrhea PCR Panel, Ova and Parasite, and <i>Giardia</i> antigen ELISA. Canine Diarrhea PCR Panel: <i>Campylobacter jejuni/coli</i> , <i>Salmonella</i> spp., <i>Lawsonia intracellularis</i> , <i>Clostridium difficile</i> toxins A & B, <i>Clostridium perfringens</i> enterotoxin, <i>Giardia intestinalis</i> , Rotavirus, <i>Cryptosporidium</i> spp., Canine Parvovirus, and Coronavirus	O&P & <i>Giardia</i> Ag: Next day by 5 PM Diarrhea Panel: 5-7 days

Hematology/Coagulation

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Basic CBC, Canine/Feline (Healthy, Non-geriatric)	2000	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood, blood smear 	RBC, HCT, HGB, MCV, MCHC, CHCM, RDW, WBC, WBC Differential, Platelet Count, MPV. If results indicate, will include a PCV, Manual Differential, and/or Reticulocyte Count.	8 AM next day
Comprehensive CBC, Canine/Feline	CBCC	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood, blood smear 	CBC with blood smear review by technician. If results indicate, will include a PCV, Manual Differential, Saline Agglutination Test, Reticulocyte Count, and/or Pathologist Review.	8 AM next day*
Pathologist Review	PATH		Blood smear review by pathologist when ordered pre-emptively. Only comprehensive CBCs are eligible for pathologist review.	1-2 days
Comprehensive CBC Upgrade (add to Core Panel)	CBCCUP	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood, blood smear 	CBC with blood smear review by technician. If results indicate, will include a PCV, Manual Differential, Saline Agglutination Test, Reticulocyte Count, and/or Pathologist Review.	8 AM next day*
Reticulocyte	RETIC	<ul style="list-style-type: none"> LTT 0.5 mL EDTA whole blood 	RBC, % Reticulocyte, Absolute Reticulocyte	8 AM next day

* Pathologist Review may extend turnaround time by 1-2 days for final report.

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Antithrombin (AT3) [†]	ANTTHRO3	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs. 		3-5 days
Blood Typing	BLTYP	<ul style="list-style-type: none"> ● LTT 0.5 mL EDTA whole blood 		1-2 days
Crossmatch, One Donor	XMTCH1	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor 	Blood pigtails also accepted as donor specimens.	1-2 days
Crossmatch, Two Donors	XMTCH2	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor 	Blood pigtails also accepted as donor specimens.	1-2 days

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Crossmatch, Three Donors	XMTCH3	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor  	Blood pigtailed also accepted as donor specimens.	1-2 days
Crossmatch, Additional Donor	XMTCHX	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor  	Blood pigtailed also accepted as donor specimens.	1-2 days
DIC Panel†	6565	<ul style="list-style-type: none"> ● ○ BTT, WTT 2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs.  	aPTT, PT, Fibrinogen, Antithrombin, D-Dimer	2-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Flow Cytometry†	FLOW	<ul style="list-style-type: none"> As appropriate, 1 mL whole blood, cavitary fluid, or bone marrow in EDTA or tissue aspirate in sterile no-additive tube (WTT) 	<p>Peripheral blood Samples must have had CBC within previous 48 hours; please submit results with sample. If a CBC is not submitted with a peripheral blood sample, a Comprehensive CBC will be added and performed by ZRL for an additional charge due to the time sensitive nature of this test.</p> <p>For tissue aspirate submissions, please call to consult on sample preparation and submission</p>	3-7 days
Flow Cytometry with CBC†	FLOWCBC	<ul style="list-style-type: none"> LTT Peripheral blood submissions only. <p>For Flow Cytometry: 1 mL EDTA whole blood (LTT).</p> <p>For CBC: 2 mL EDTA whole blood (LTT)</p> 	<p>ZRL will perform a Comprehensive CBC using additional blood included in submission.</p> <p>This test code is designed for flow cytometry testing on whole blood only. Use test code FLOW for other sample types and add on CBC as desired.</p>	3-7 days
Hemophilia Panel, Canine/Feline†	HEMO	<ul style="list-style-type: none"> BTT, WTT <p>2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs.</p> 	aPTT, PT, TCT, Factor VIII:C, Factor IX:C, vWF:Ag	3-5 days

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Iron, Serum/Plasma, Canine†	IRON	<ul style="list-style-type: none"> ● RTT, GRNTT 0.5 mL separated serum or heparinized plasma 		3-5 days
Iron Profile†	IRONPRO	<ul style="list-style-type: none"> ● RTT, GRNTT 0.5 mL serum or heparinized plasma 	Iron, TIBC, and Ferritin	7-10 days
Platelet Surface Associated Antibody†	PBA	<ul style="list-style-type: none"> ● LTT 1 mL EDTA whole blood 		4-7 days
Protein C†	PROC	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs. 		2-3 days
PT & aPTT	4101	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 	For weekend and holiday shipping recommend freezing plasma and sending on ice.	8 AM next day

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
von Willebrand factor (vWF:Ag) [†]	4106	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT). Freeze. Ship on ice packs. 		3-5 days
Buffy Coat	6295	<ul style="list-style-type: none"> ● LTT 1 mL EDTA whole blood 		1-2 days
D-Dimer	4104	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs 	Semiquantitative D-Dimer assay	1-2 days
Direct Coombs	2701	<ul style="list-style-type: none"> ● LTT 2 mL EDTA whole blood 		1-2 days
Fibrinogen, Canine/Feline	4103	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs 		2-3 days (3-4 days for feline samples)

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Hemostasis Panel, Canine/Feline†	6560	<ul style="list-style-type: none"> ● ○ BTT, WTT 2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 	aPTT, PT, TCT, vWF:Ag	3-5 days
Technician Blood Smear Review	SMREV	<ul style="list-style-type: none"> ● LTT 2 unstained, air-dried slides; include 2 mL EDTA whole blood, if possible (for in-lab preparation of smears) 📁 Blood 🏠 Slides 	Morphologic review of RBC, WBC, and platelets; Manual WBC Differential, and visual platelet estimate. If indicated based on internal lab criteria, a Pathologist Review will be included.	8 AM next day If pathologist review added, TAT is delayed
Coagulation Panel, Canine/Feline (Cornell)†	COAGFA	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 	aPTT, PT, TCT	2-3 days
Clotting Factor FIX†	FACTORIX	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 		2-3 days

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Clotting Factor FVIII [†]	FACTORVIII	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs 		2-3 days
Clotting Factor FX [†]	FACX	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs 		2-3 days
Erythropoietin (EPO) [†]	50227	<ul style="list-style-type: none"> ● ● SST, RTT 1-2 ml separated serum in SST or aliquotted into no-additive tube (WTT)		5-7 days
Babesia Blood Smear [†]	BABBLDSMR	<ul style="list-style-type: none"> ● LTT 2 mL EDTA whole blood 	Giemsa blood smear examination for <i>Babesia</i> organisms (available for export animals only)	3-5 days
Clotting Factor FXII [†]	FACTORXII	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs 		2-3 days

Hematology/Coagulation (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Low Molecular Weight Heparin†	LMWHEPARIN	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 	Anti-Xa activity of LMWH	2-3 days
Coagulation Panel and Fibrinogen, Canine/Feline†	25001390	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 	aPTT, PT, TCT, and Fibrinogen	2-3 days
ZRL™ Coagulation Panel I	COAG	<ul style="list-style-type: none"> ● ● LTT, BTT 1 mL EDTA whole blood and 0.5 mL separated citrated plasma 📱 	PT, aPTT, Platelet Count, Total Plasma Protein	8 AM next day
ZRL™ Coagulation Panel II	25001391	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs ❄ 	PT, aPTT, Fibrinogen, D-Dimer	2-3 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Chemistry

Chemistry Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Feline Hyperthyroid ClinChem	25000507	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum  	BUN, Creat, K, Phos, Alb, ALT, SDMA, TT4	8 AM next day
Metabolic ClinChem	25000512	<ul style="list-style-type: none"> ● ● SST or RTT 2 mL serum  	Glu, BUN, Creat, BUN:Creat Ratio, TP, ALP, ALT, Chol, Na, K, Na:K Ratio, Trig, Fructosamine, TT4	1-3 days
Renal ClinChem	25000479	<ul style="list-style-type: none"> ● ● SST or RTT 2 mL serum  	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, P, CO2, AG, TP, ALB, Chol, Osmol(c), SDMA	8 AM next day
Mature Cat ClinChem	25000482	<ul style="list-style-type: none"> ● ● SST or RTT 2 mL serum  	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, AST, GGT, CK, TBili, Chol, TT4, Fructosamine	1-2 days
Critical Care ClinChem, Canine/Feline	25000488	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum  	Glu, BUN, Creat, BUN:Creat Ratio, TP, Alb, Na, K, Na:K Ratio, Cl, CO2, Anion Gap, TBili, Osmol(c)	8 AM next day
Liver ClinChem	25000510	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum  	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, ALT, ALP, GGT, TBili, Chol	8 AM next day
Mini Renal ClinChem	25000513	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum  	BUN, Creat, K, Phos, Alb	8 AM next day
NSAID ClinChem	25000514	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum  	BUN, Creat, BUN:Creat Ratio, ALT	8 AM next day

Chemistry (cont'd)

Chemistry Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Phenobarbital ClinChem	25000515	<ul style="list-style-type: none"> ● RTT 1 mL serum, separated 	Glu, Na, K, Creat, Ca, TP, Alb, ALT, ALP, TBili, Phenobarbital RTT serum preferred for phenobarbital testing. SST serum may affect phenobarbital results.	1-2 days
Pre-Anesthetic ClinChem	25000516	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum 	Glu, Na, K, Creat, Ca, TP, ALT, TBili	8 AM next day
ClinChem 18	CHEM18	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum 	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol	8 AM next day
ClinChem 18 with SDMA	25001624	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum 	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol, SDMA	8 AM next day
ClinChem 25	1000	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum 	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol, CO ₂ , Anion Gap, Mg, AST, GGT, CK, Osmol(c)	8 AM next day
ClinChem 25 with SDMA	25001625	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum 	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, TP, Alb, Glob, Alb:Glob Ratio, ALT, ALP, TBili, Chol, CO ₂ , Anion Gap, Mg, AST, GGT, CK, Osmol(c), SDMA	8 AM next day

Chemistry (cont'd)

Individual Chemistry Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Triglycerides	1023	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
SDMA	7037	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Bile Acids Pre/Resting	6180	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		1-2 days
Bile Acids Post	6181	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		1-2 days
Free (Ionized) Calcium	IONISTAT	<ul style="list-style-type: none"> ● GRNTT 0.5 mL lithium heparinized whole blood  	Ensure that the sample is treated anaerobically and that the correct ratio of heparin anticoagulant to blood is achieved (do not underfill GRNTT).	1-2 days
Free (Ionized) Calcium (Mich. State Univ.)†	6304	<ul style="list-style-type: none"> ● RTT 0.75 mL serum, separated  		3-6 days

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Osmolality†	OSMOLAL	●● RTT or GRNTT 1 mL separated serum or heparinized plasma 		2-3 days
Albumin	1001	●● SST or RTT 0.5 mL serum 		8 AM next day
Canine C-reactive Protein (CRP)†	CRP	●●● RRT, GRNTT or LTT 1 mL serum or plasma (heparinized or EDTA) 		5-7 days
High-Sensitivity Cardiac Troponin I†	TROPONIN	●● SST or RTT 0.5 mL non-hemolyzed serum (frozen) 	Non-canine species' reports will not contain reference interval or interpretive comments. Sample should arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	4-5 days
Corticosteroid-Induced Alk Phos (CIALP)†	CIALP	●●● SST, RTT or GRNTT 0.5 mL serum or heparinized plasma 		2-3 days
NT-proBNP†	PROBNP	●●● LTT, SST or RTT 1 mL EDTA plasma (preferred) or serum 		3-7 days
ALT	1002	●● SST, RTT 0.5 mL serum 		8 AM next day

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ALP (Alk Phos)	1003	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
AST	1005	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
BUN	1006	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Chloride	1007	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Calcium (Total Calcium)	1008	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Cholesterol	1009	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Creatinine	1010	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Creatinine Kinase (CK)	1011	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
GGT	1013	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Glucose	1014	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Magnesium	1016	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Phosphorus	1017	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Potassium	1018	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Sodium	1019	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
CO2	1020	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Total Bilirubin	1021	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Total Protein	1022	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum  		8 AM next day
Glomerular Filtration Rate (Iohexol Clearance)†	GFRIC	<ul style="list-style-type: none"> ● SST or RTT 0.5 mL serum (3 samples required)  	Serum samples should be taken two, three, and four hours following a single injection of iohexol (300 mg iodine equivalents/kg body weight). Each sample should yield at least 0.5 mL serum.	6-8 days

Urine

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Urinalysis	3000	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container  		8 AM next day
Urinalysis with Urine Culture & Sensitivity	25001629	<ul style="list-style-type: none"> ● YTT/sterile container Urinalysis: 5 mL urine Urine C&S: 1 mL urine  		Urinalysis: 8 AM next day Urine C&S: 1-5 days
Urine Protein:Creatinine Ratio	1555	<ul style="list-style-type: none"> ● YTT 1 mL urine in YTT/sterile container  		8 AM next day

Urine (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Urinalysis with Reflex UPC	25000521	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	A UPC will be performed automatically if the urine meets the required criteria.	8 AM next day
Urinalysis with Reflex UPC upgrade	25001702	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	Use this code to upgrade a core panel urinalysis to include reflex UPC	
Urine Electrolyte Panel (for Fractional Excretion) [†]	FREXCRE	<ul style="list-style-type: none"> ● YTT 2 mL urine in YTT/sterile container AND 2 mL separated serum or heparinized plasma 	Cl, Creat, K, Na Concurrent measurement of serum creatinine and electrolytes is needed for determination of fractional excretion.	3-5 days
Stone Analysis [†]	7032	Dry stones in sterile container with no additive 		4-9 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Endocrinology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Total T4	5102	●● SST or RTT 0.5 mL serum 		8 AM next day
Free T4	5103	●● SST or RTT 0.5 mL serum 		8 AM next day
TSH	5106	●● SST or RTT 0.5 mL serum 		8 AM next day (1-2 days for feline samples)
Thyroid Panel	25000484	●● SST or RTT 1 mL serum 	TT4, FT4, TSH	8 AM next day (1-2 days for feline samples)
Free T4 by ED†	6330	● RTT 0.5 mL serum, separated and frozen 	Ship frozen on ice.	5-7 days
Thyroglobulin Autoantibody†	6437	● RTT 0.5 mL serum, separated		3-5 days
Premium Thyroid Panel, Canine†	6545	● RTT 2 mL serum, separated and frozen 	TT4, TT3, FT4 by ED, TSH, TgAA, T4AA, and T3AA Ship frozen on ice.	5-7 days
Premium Thyroid Panel + TSH, Feline†	6550	● RTT 2 mL serum, separated and frozen 	TT4, TT3, FT4 by ED, TSH Ship frozen on ice.	5-7 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
OFA Thyroid Panel, Canine†	K9THYROID	<ul style="list-style-type: none"> ● RTT 2 mL serum, separated and frozen 	TT4, TT3, FT4 by ED, TSH, TgAA, T4AA, and T3AA Ship frozen on ice. Animal must not have received thyroid therapy for 3 months prior to sampling. A completed OFA Thyroid Registry form must accompany the sample. This may be faxed or emailed to your clinic on request to the laboratory, or may be downloaded from the OFA website at the following link: www.ofa.org . Please note that OFA Registry requires prepayment by the animal owner of \$15.00* for the registry service. This fee is not included in the price shown to the right.	2-3 weeks
Fructosamine	1024	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum 		1-3 days
Insulin:Glucose Ratio†	MSUIG	<ul style="list-style-type: none"> ● RTT 1 mL serum, separated and frozen 	Ship frozen on ice.	3-7 days
Malignancy (Hypercalcemia) Panel†	6555	<ul style="list-style-type: none"> ● ● RRT and LTT 1 mL serum AND 0.5 mL EDTA plasma, both separated and frozen. 	PTH, PTHrp, Free (Ionized) Calcium Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	5-7 days
Parathyroid Panel†	6306	<ul style="list-style-type: none"> ● RTT 1 mL serum, separated and frozen 	PTH, Free (Ionized) Calcium Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	5-7 days
Parathyroid Hormone–Related Protein (PTHrP)†	PTHRP	<ul style="list-style-type: none"> ● LTT 1 mL EDTA plasma, separated and frozen 	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	5-7 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Vitamin D (25-hydroxyvitamin D3)[†]	VITD	<ul style="list-style-type: none"> ● RTT 0.75 mL serum, separated and frozen ❄️ 	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	4-10 days
Vitamin D Profile[†]	VITP	<ul style="list-style-type: none"> ● RTT 1.5 mL serum, separated and frozen ❄️ 	PTH, Free (Ionized) Calcium, and 25-hydroxyvitamin D Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	3-9 days
Cortisol (Baseline/Resting)	5101	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum 📄 		8 AM next day (1-2 days for feline/equine samples)
ACTH Stimulation (2 samples)	6100	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum each sample (2 samples required) 📄 		8 AM next day (1-2 days for feline samples)
ACTH Stimulation (3 samples)	6101	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum each sample (3 samples required) 📄 		8 AM next day (1-2 days for feline samples)
Cortisol (Single Sample, Post-ACTH)	CORTPOST	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum 📄 	This test code is intended to support submission of a single, post-ACTH cortisol serum sample when other samples for dynamic testing have been submitted on another occasion.	8 AM next day (1-2 days for feline samples)
Dexamethasone Suppression (2 samples)	6103	<ul style="list-style-type: none"> ● ● SST or RTT 0.5 mL serum each sample (2 samples required) 📄 		8 AM next day (1-2 days for feline samples)

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Dexamethasone Suppression (3 samples)	6104	<ul style="list-style-type: none"> ●● SST or RTT 0.5 mL serum each sample (3 samples required) 		8 AM next day (1-2 days for feline samples)
Urine Cortisol:Creatinine Ratio	3310	<ul style="list-style-type: none"> ● YTT 1 mL urine in YTT/sterile container 		8 AM next day (1-2 days for feline samples)
Adrenal Panel (with ACTH Stimulation), Canine/Feline†	ACTHADR	<ul style="list-style-type: none"> ● RTT 2 mL serum each, separated (2 samples) 	Baseline and post-ACTH Cortisol, Estradiol, Androstenedione, Progesterone, 17-Hydroxyprogesterone, Testosterone Requires two samples. Testing may be performed on canines and neutered felines.	12 days
17-Hydroxyprogesterone, Pre & Post-(ACTH Stim)†	17HPROG	<ul style="list-style-type: none"> ● RTT 0.5 mL serum, separated 	Requires two samples. Testing may be performed on canines and neutered felines.	7-10 days
Aldosterone Baseline†	ALDOS	<ul style="list-style-type: none"> ●●● LTT or SST, RTT 0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood. 	Centrifuge EDTA sample immediately and separate EDTA plasma within 30 minutes of collection. Transfer to sterile, no additive tube and label tube EDTA plasma. Freeze sample and ship on ice.	7-10 days
Aldosterone Post†	ALDOSPOST	<ul style="list-style-type: none"> ●●● LTT or SST, RTT 0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood. 	Centrifuge EDTA sample immediately and separate EDTA plasma within 30 minutes of collection. Transfer to sterile, no additive tube and label tube EDTA plasma. Freeze sample and ship on ice.	7-10 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Endogenous ACTH, Canine†	25001384	<ul style="list-style-type: none"> ● LTT 0.5 mL EDTA plasma (separated and frozen) 	Centrifuge immediately and pipette EDTA plasma into a sterile, no-additive, plastic tube. Glass tubes should not be used. Freeze sample. Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	2-5 days
Reproductive Hormone Panel†	RHP	<ul style="list-style-type: none"> ● ● LTT or RTT 2 mL serum or plasma (no SST)	Estrogen, Progesterone, Testosterone	5-10 days
Estradiol, Baseline†	ESTRADIOL	<ul style="list-style-type: none"> ● RTT 0.5 mL serum, separated 		7-10 days
Testosterone, Baseline†	TESTOS	<ul style="list-style-type: none"> ● RTT 1 mL serum 		2-9 days
Testosterone Post-HCG/GnRH†	TESTPOST	<ul style="list-style-type: none"> ● RTT, LTT 1 mL serum 		3-8 days
Progesterone	5105	<ul style="list-style-type: none"> ● RTT 0.5 mL serum 	Serum separator gel may affect results.	8 AM next day
Anti-Müllerian Hormone†	5555	<ul style="list-style-type: none"> ● RTT 1 mL serum, separated and frozen 	Ship frozen and on ice. Hemolyzed samples will be rejected. Wait 30 days after spay or remnant removal surgery before testing.	5-8 days
Ovarian Remnant Syndrome†	OVRS	<ul style="list-style-type: none"> ● RTT 0.5 mL serum, separated and frozen 	Anti-Müllerian Hormone, Progesterone Ship frozen on ice Hemolyzed samples will be rejected. Wait 30 days after spay or remnant removal surgery before testing.	8-10 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Luteinizing Hormone (LH), Canine/Feline	LH	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  same day 		8 AM next day
Pregnancy Test (Relaxin), Canine/Feline	6009	<ul style="list-style-type: none"> ● ● ● SST, RTT or LTT 0.5 mL serum or EDTA plasma  	Relaxin degrades rapidly at room temperature. Keep refrigerated until shipment. Ship on ice packs.	1-2 days
Insulin-like Growth Factor†	ILGROFAC	<ul style="list-style-type: none"> ● ● RTT, LTT 0.75 mL serum or EDTA plasma  		5-10 days
Gastrin†	GASTRIN	<ul style="list-style-type: none"> ● RTT 1 mL serum, separated and frozen  	Fast patient for 12 hours. Freeze sample. Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	3-12 days
Metanephrines, Plasma-free†	METAPLAS	<ul style="list-style-type: none"> ● ● LTT or GRNTT 1-2 mL EDTA or heparinized plasma, separated and frozen  	Centrifuge and separate plasma within 1 hr of collection. Freeze immediately. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days
Metanephrines, Urine Fractionated†	METAUR	<ul style="list-style-type: none"> ● YTT 2.5-4 mL urine in YTT/sterile container  	Freeze immediately. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

GI/Pancreatic

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
ZRL™ Premium Lipase (DGGR Lipase)	1030	● ● SST, RTT 0.5 mL serum 		8 AM next day
ZRL™ Premium (DGGR Lipase), TLI, Cobalamin, and Folate, Canine	7250	● ● SST, RTT 2 mL serum  		1-2 days
Pancreatic Lipase Immunoreactivity (PLI), Canine (TX GI)†	PLITX	● ● SST, RTT 0.5 mL separated serum 		3-5 days
Pancreatic Lipase Immunoreactivity (PLI), Feline (TX GI)†	7240	● ● SST, RTT 0.5 mL separated serum 		2-5 days
Amylase (Mich. State Univ.)†	1004	● ● SST, RTT 0.5 mL serum 		2-3 days
PLI, Cobalamin, and Folate, Canine/Feline (TX GI)†	FEPLICOFOL	● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days
PLI, TLI, Cobalamin, and Folate, Canine (TX GI)†	K9PTCFTX	● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days
PLI and TLI, Feline (TX GI)†	7253	● ● SST, RTT 1 mL separated serum 		2-5 days

GI/Pancreatic (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
PLI, TLI, Cobalamin, and Folate, Feline (TX GI)†	7251	<ul style="list-style-type: none"> ● ● SST, RTT 2 mL separated non-hemolyzed serum  		2-5 days
TLI, Canine	6206	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum, separated  		1-2 days
Trypsin-Like Immunoreactivity (TLI), Feline (TX GI)†	6203	<ul style="list-style-type: none"> ● ● SST, RTT 0.2 mL separated serum  		2-5 days
TLI, Cobalamin, and Folate, Canine	7252	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL separated non-hemolyzed serum  		1-2 days
TLI, Cobalamin, and Folate, Feline (TX GI)†	F7251	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days
Cobalamin (Vitamin B12)	6207	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL separated serum  		1-2 days
Folate	6208	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  		1-2 days
Cobalamin and Folate	KFCOFO	<ul style="list-style-type: none"> ● ● SST, RTT 2 mL serum  		1-2 days

GI/Pancreatic (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Microbiota Dysbiosis Index, Canine†	DYSINDEX	● Feces 1 gm feces 	Quantifies abundance of <i>Faecalibacterium</i> , <i>Turicibacter</i> , <i>Streptococcus</i> , <i>E coli</i> , <i>Blautia</i> , and <i>C hiranonis</i>	2-3 days
Fecal Occult Blood	7255	● Feces 1-3 gm fresh feces 		1-2 days

Fecal/Parasitology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Ova and Parasite (Centrifugal Fecal Flotation) Test	2320A	● Feces 3-5g fresh feces 	Fecal floatation by sugar solution. Recommended for most comprehensive fecal parasite assessment.	Next day by 5 PM
Giardia Focused O&P	25001611	● Feces 5g fresh feces 	Fecal floatation by zinc sulfate. Recommended for diagnosis of Giardiasis.	Next day by 5 PM
O&P (Centrifugal Fecal Flotation) Panel	25001613	● Feces 6-10 g fresh feces 	Two fecal flotations by both sugar and zinc sulfate for most comprehensive assessment of parasitic infection. Quantification not included.	Next day by 5 PM
Giardia Antigen Test	2321	● Feces 3 gm fresh feces 	<i>Giardia</i> Ag ELISA	Next day by 5 PM
Ova and Parasite (Centrifugal Fecal Flotation) Test and Giardia Antigen Test	2320	● Feces 5 gm fresh feces 	Fecal floatation by sugar solution and <i>Giardia</i> Ag ELISA	Next day by 5 PM

Fecal/Parasitology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Fecal Direct Smear Test	25001610	● Feces 1-3 g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-3 days
Giardia & Cryptosporidium IFA, Canine/Feline	2404	● Feces 3-5 gm fresh feces 	<i>Giardia</i> Ag ELISA and <i>Cryptosporidium</i> spp. Ag by IFA. Not for use in birds/reptiles.	1-4 days
O&P (Centrifugal Fecal Flotation) with Direct Smear	25001614	● Feces 3-5g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-3 days
Fecal Sedimentation Test	25001612	● Feces 10 g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-4 days
McMaster (Fecal Egg Counting) Test	2328	● Feces 5 gm fresh feces 	Quantitative fecal egg count	1-2 days
Centrifugal Fecal Flotation Test (O&P) & McMaster (Fecal Egg Counting) Test	25000487	● Feces 8-10 gm fresh feces 	Fecal floatation by sugar solution and quantitative fecal egg count.	1-2 days
Baermann Test (Lungworm)	BAER	● Feces 10 gm fresh feces 		1-4 days
Heartworm Antigen Test	6001	● ● ● SST, RTT, LTT 0.25 mL serum or EDTA plasma 	DiroCHEK® HW Ag ELISA	8 AM next day
Heartworm Antigen with Heat Treatment	HWHEAT	● ● ● SST, RTT, LTT 0.5 mL serum or EDTA plasma 	DiroCHEK® HW Ag ELISA	1-2 days

Fecal/Parasitology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Heartworm Antigen Test (Alternate Methodology)	25000533	<p>●●● SST, RTT, LTT 0.5 mL serum or EDTA plasma or whole blood</p> 	<p>Zoetis Witness® Heartworm Ag lateral flow assay. Intended for use as alternative methodology, confirmatory testing after initial HW Ag positive test by different methodology per American Heartworm Society guidelines.</p>	8 AM next day
O&P with HW & Tick	25001627	<p>●●●● SST, RTT, LTT, feces O&P: 3-5 g fresh feces HW: 0.25 mL of serum or EDTA plasma Tick Panel: 0.25 mL of serum or EDTA plasma or whole blood</p> 	<p>O&P: Fecal flotation by sugar solution Tick Panel: Lateral flow assay for <i>Ehrlichia</i>, <i>Anaplasma</i>, <i>Borrelia</i> (Lyme) antibodies. Canines only. HW: DiroCHEK® Ag ELISA</p>	<p>O&P: Next day by 5 PM HW & Tick: 8 AM next day</p>
Modified Knott's Test for Microfilariae (Heartworm)	6225	<p>● LTT 2 mL EDTA whole blood</p> 	Quantification not included.	1-2 days
Modified Knott's Test with Quantification	MODKNOTTSQ	<p>● LTT 2 mL EDTA whole blood</p> 		1-2 days
Feline Heartworm Antibody (ELISA)†	6007	<p>●● SST, RTT 1 mL serum</p> 	HW Ab ELISA	5-8 days
Gross Parasite Identification	25001435	Whole parasite (adult worm, larvae, ectoparasite, etc.) in sealed, leakproof container		1-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Microbiology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Aerobic Culture	7156	Culture swab or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-5 days
Anaerobic Culture	7157	Anaerobic tube or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Aerobic and Anaerobic Culture	7135	Culture swab and anaerobic tube or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Urine Culture and Sensitivity	7140	● YTT/sterile tube 1 mL urine in YTT or sterile container 		1-5 days
Urinalysis with Urine Culture & Sensitivity	25001629	● YTT/sterile container Urinalysis: 5 mL urine Urine C&S: 1 mL urine 		Urinalysis: 8 AM next day Urine C&S: 1-5 days
Hold Urine Culture for 48 hours	25000534		Bacterial culture will be held for an additional 24 hours (48 hours total). This test is intended for use in working up complicated/chronic urinary tract infections and must be ordered at the time the urine culture is initially requested.	2 days
Fungal Culture	7145	Culture swab or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	Up to 26 days for final report
Fecal Culture	7155	● Feces 2 g fresh feces 		2-7 days
Dermatophyte Culture	7160	WTT/sterile tube Plucked hair, nail clippings, skin scrapings or brushings 		12 days for final report

Microbiology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Mycoplasma Culture†	MYCOPLASCU	Culture swab, fluid or tissue in WTT/sterile container.	Refrigerate fluid or tissue submissions and ship on ice packs.	Up to 21 days
Blood Culture	7150	Two blood culture bottles, each inoculated with 3 mLs of blood 	Submit two blood samples, drawn at least one hour apart and from different, disinfected venipuncture sites. Store at room temperature. DO NOT REFRIGERATE.	3-9 days
Brucella canis Culture†	BRUCLCULT	As indicated: 0.5 mL whole blood in blood culture bottle, swab in Amies or Anaerobic transport media, 1-5 mL fluid (fetal stomach contents, vaginal discharge, semen) or 1-5 g tissue (uterus, testicle) in sterile, leakproof container. 	Note: <i>Brucella canis</i> culture is for diagnosis only, not for freedom-from-disease testing. PCR is preferred due to higher sensitivity and safety. Submit blood in culture bottles only; otherwise, samples will be rejected. For best sensitivity, collect three blood culture samples within 24 hours. Each vial incurs a separate charge. Store and ship blood culture bottles and swabs at room temperature. Keep tissues and other fluids refrigerated and ship with ice packs.	7-10 days
Mycobacterium Culture†	MYCO	As indicated: tissue aspirate, lymph node, skin biopsy, or other tissue sample in sterile, leakproof container. 	Refrigerate fluid or tissue submissions and ship on ice packs. Culture for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> no longer included in this offering. PCR is recommended to identify <i>M. avium</i> .	60 days
Acid-Fast Stain	ACIDFAST	Culture swab or fluid/tissue in WTT/sterile container.		1-4 days

Microbiology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Fungal Susceptibility 1 Drug†	FUNGALSUS1		Add on fungal susceptibility testing for one antifungal drug.	1-2 weeks
Fungal Susceptibility 2 Drugs†	FUNGALSUS2		Add on fungal susceptibility testing for two antifungal drugs.	1-2 weeks
Fungal Susceptibility 3 Drugs†	FUNGALSUS3		Add on fungal susceptibility testing for three antifungal drugs.	1-2 weeks
Skin Culture and Sensitivity (Dermatology)	25001434	Culture swab or fluid/tissue 	Culture and AMS designed for skin lesions, including ear infections. Refrigerate fluid or tissue submissions and ship on ice packs.	2-5 days



See the complete Directory of Services
online at zoetisreflabs.com/DOS

Serology/Infectious Diseases

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Tick Panel Screening Test	6002	<p>●●● SST, RTT or LTT 0.25 mL of serum or EDTA plasma or whole blood</p> 	Lateral flow assay for <i>Ehrlichia</i> , <i>Anaplasma</i> , <i>Borrelia</i> (Lyme) Antibodies Canines only.	8 AM next day
FeLV/FIV Rapid Test	6005	<p>●●● SST, RTT or LTT 0.25 mL of serum or EDTA plasma or whole blood</p> 	Lateral flow assay for FeLV Ag and FIV Ab with confirmation of positive FeLV results by ViraCHEK® ELISA	8 AM next day
O&P with HW & Tick	25001627	<p>●●●● SST, RTT or LTT and feces O&P: 3-5g fresh feces HW: 0.25 mL of serum or EDTA plasma Tick Panel: 0.25 mL of serum or EDTA plasma or whole blood</p> 	O&P: Fecal flotation by sugar solution Tick Panel: Lateral flow assay for <i>Ehrlichia</i> , <i>Anaplasma</i> , <i>Borrelia</i> (Lyme) Antibodies HW: DiroCHEK® Ag ELISA, Ova and Parasite	O&P: Next day by 5 PM HW & Tick: 8 AM next day
Cryptococcus Antigen Titer by Latex Agglutination	7216	<p>●● SST, RTT 0.5 mL serum or CSF</p> 		1-2 days
Coccidioides Antibody Screening Test	25001690	<p>●● SST or RTT 1 mL serum</p>	Lateral flow assay assessing IgG and IgM Abs combined.	2-3 days
Coccidioides Titer AGID	6129	<p>●● SST or RTT 1 mL serum</p> 	IgG, IgM assessed via AGID. Titer provided for IgG if positive.	5-7 days
Blastomyces Quantitative Antigen EIA [†]	BLASTANT	<p>●●●○ SST, RTT, LTT or WTT. As indicated: 0.5 mL of urine, serum or plasma (separated), 0.8 mL CSF in sterile no-additive tube (WTT), or 1.2 mL BAL fluid in sterile no-additive tube (WTT).</p> 		2-5 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Fungal Titer Panel AGID[†]	6130	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum  	<i>Coccidioides</i> (IgG/IgM), <i>Blastomyces</i> (IgG), and <i>Histoplasma</i> (IgG). If indicated, can substitute <i>Aspergillus</i> (IgG) and/or <i>Cryptococcus</i>	3-6 days
Vector Serology Panel, Canine[†]	EXTENTICK	<ul style="list-style-type: none"> ● ● SST or RTT 2 mL serum  	<i>Babesia canis</i> , <i>B gibsoni</i> , <i>Ehrlichia canis</i> , <i>Rickettsia rickettsii</i> , <i>Bartonella henselae</i> , <i>B vinsoni</i> , <i>B koehlerae</i> (by IFA); <i>Borrelia</i> (Lyme), <i>Anaplasma</i> , <i>Ehrlichia</i> , and heartworm (by rapid test)	10-14 days
Tick Serology Panel	7185	<ul style="list-style-type: none"> ● ● SST, RTT 3 mL serum  	<i>Ehrlichia canis</i> (IFA), <i>Anaplasma phagocytophilum</i> (IFA), <i>Borellia burgdorferi</i> (Cornell Multiplex Antibody Test) [†]	2-7 days
Toxoplasma gondii ELISA[†]	TOXAB189	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  	IgG and IgM Ab to <i>Toxoplasma gondii</i> . CSF and aqueous humor also accepted. Do not freeze.	5-7 days
Vaccine Titer (Qualitative), Canine	6145	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Qualitative CDV and parvovirus titer by ELISA	1-3 days
Feline Vaccine Panel 2[†]	7200	<ul style="list-style-type: none"> ● RTT 1 mL serum  	Herpesvirus, calicivirus, parvovirus (panleukopenia) Ab	6-10 days
Rabies Titer for Export[†]	7205E	<ul style="list-style-type: none"> ● RTT 2 mL serum  	FAVN-OIE completed form must accompany sample submission.	6-7 weeks

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Vaccine Titer (Quantitative), Canine(Cornell)†	DPVAC	●● SST, RTT 1 mL serum 		7-10 days
Core Vaccine Titer Panel (includes Rabies, non-export), Canine†	6160	● RTT 2 mL serum 	Ab titers for canine distemper, canine adenovirus-2, canine parvovirus, and rabies NOT FOR EXPORT TESTING.	5-6 weeks
Feline Infectious Peritonitis Virus (FIP) IFA†	25001570	●○ RTT, WTT 1 mL effusion fluid in RTT or sterile, no additive tube (WTT). 	For detection of feline coronavirus antigen in cavitory effusions.	3-4 days
Leptospira MAT, 5 Serovar†	6164	● RTT 0.5 mL serum 	Detection of antibodies to <i>Leptospira interrogans</i> serovars <i>pomona</i> , <i>hardjo</i> , <i>icterohaemorrhagiae/copenhageni</i> , <i>grippityphosa</i> , and <i>canicola</i>	Up to 10 days
Leptospira MAT, 5 Serovar & PCR†	6163	●● RTT, LTT For MAT: 0.5 mL serum in RTT; For PCR: 5 mL Urine; OR 1 mL EDTA whole blood (LTT); OR 1 gm tissue (e.g., kidney and/or liver); OR 1 mL aqueous humor; OR 0.5 ml CSF 	Detection of antibodies to <i>Leptospira interrogans</i> serovars <i>pomona</i> , <i>hardjo</i> , <i>icterohaemorrhagiae/copenhageni</i> , <i>grippityphosa</i> , and <i>canicola</i>	Up to 10 days
Leptospira Antibodies (IgM), Canine	6008	●●● SST, RTT, LLT 0.5 mL serum or EDTA plasma or whole blood 	Detects IgM for the following canine serovars: <i>canicola</i> , <i>icterohaemorrhagiae</i> , <i>grippityphosa</i> , <i>pomona</i>	1-3 days
Feline Coronavirus (IFA)	CORONAIFA	●● SST, RTT 1 mL serum 	Detects IgG antibodies against Feline coronavirus. Positive results reported as a titer.	2-3 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Brucella canis IFA	BRUCIFA	●● SST, RTT 1 mL serum 		1-4 days
Neurology Infectious Disease Panel†	NEUROID	●● SST or RTT 2 mL serum 	<i>E canis</i> , <i>R rickettsii</i> , <i>B burgdorferi</i> (IFA); <i>Blastomyces</i> IgG, <i>Histoplasma</i> IgG, <i>Coccidioides</i> IgG/IgM; <i>Toxoplasma</i> IgG/IgM, <i>Cryptococcus neoformans</i> antigen, <i>Neosporum caninum</i> IgG/IgM, <i>A phagocytophilum</i> , <i>Aspergillus</i> IgG	3-5 days
Lyme Multiplex Test, Canine†	LYMEMPLX	● RTT 2 mL serum, separated 		5-7 days
Anaplasma phagocytophilum (IFA)	ANATITER	●● SST or RTT 1 mL serum 	Canine only	2-3 days
Aspergillus Titer AGID†	ASP	●● SST or RTT 1 mL serum 	IgG	3-5 days
Australia Export Completion Panel†	AUSECPN	●● SST, RTT 2 mL serum 	<i>Brucella canis</i> , <i>Leishmania infantum</i> , <i>Leptospira interrogans serovar canicola</i> and <i>Ehrlichia canisthen</i> Appropriate FAVN forms must accompany submission. See online DOS for more comprehensive instructions.	9-12 days
Brucella canis Slide AGGL/AGID II†	6315	● RTT 0.5 mL serum, separated 		3-5 days
Neospora caninum IFA†	NEO	●● SST or RTT 1 mL serum IgG, IgM 		3-5 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Rabies Screen Titer (not for export) [†]	7205	● RTT 1 mL serum 	NOT FOR EXPORT TESTING.	4-5 weeks
Trypanosoma cruzi (Chagas Disease) IFA Titer [†]	TCRUIFA	●● SST, RTT 1 mL serum 		3-5 days
Aspergillus Galactomannan Antigen EIA [†]	ASPGUR	●●●○ SST, RTT, LTT or WTT As indicated: 0.8 mL of serum or EDTA plasma (separated), CSF, urine, or BAL fluid in sterile no-additive tube (WTT). 		2-5 days
Bartonella IFA [†]	6025	● RTT 2 mL serum 	Detects antibodies against <i>Bartonella henselae</i> , <i>B vinsonii</i> subsp <i>berhoffii</i> , and <i>B koehlerae</i>	Up to 4 weeks
Comprehensive (PCR and Serology) Vector Panel, Canine [†]	K9FCOMP	●● RTT, LTT 2 mL serum in RTT AND 2 mL whole blood in LTT 	<i>Babesia canis</i> , <i>B gibsoni</i> , <i>E canis</i> , <i>R rickettsii</i> (RMSF), <i>Bartonella henselae</i> , <i>B vinsonii</i> , <i>B koehlerae</i> (by IFA); Lyme, <i>Anaplasma</i> , <i>Ehrlichia</i> , and heartworm (by rapid assay); PCR for <i>Babesia</i> , <i>Bartonella</i> , <i>Anaplasma</i> , <i>Ehrlichia</i> , <i>Rickettsia</i> , and hemotropic <i>Mycoplasma</i> organisms	10 days
Toxoplasma gondii ELISA (Canine) & Neospora caninum IFA [†]	K9TOXOPL	●● SST, RTT 1 mL serum 	IgG and IgM Ab to <i>Toxoplasma gondii</i> . CSF and aqueous humor also accepted. Do not freeze.	7-10 days
Canine Distemper Virus Titer (Cornell) [†]	DISTEMP	●● SST or RTT 1 mL serum 	Testing also performed on CSF	7-10 days
Ehrlichia canis (IFA)	EHRCH	●● SST, RTT 1 mL serum 	Detects IgG antibodies against <i>Ehrlichia canis</i> . Positive results reported as a titer. Canine only.	2-3 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
FIV by Western Blot & ELISA†	FIVWB	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum or EDTA plasma  		4-7 days
Histoplasma Quantitative Antigen EIA†	HISTOANT	<ul style="list-style-type: none"> ● ● ● ● SST, RTT, LTT or YTT As indicated: 0.5 mL of urine, serum or plasma (separated), 0.8 mL CSF in sterile no-additive tube (WTT), or 1.2 mL BAL fluid in sterile no-additive tube (WTT).  		2-5 days
Canine Adenovirus Type 1 Antibody (VN)†	K9ADNE1	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		4 days from run date
Leishmania Titer IFA†	LEISH	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  		2-5 days
Lyme (Borrelia) Titer IFA†	LYMEIFA	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  		2-3 days
Pythium Serology†	OOPYTHIUM	<ul style="list-style-type: none"> ● RTT 0.5 mL serum  		3-5 days
Rabies Antibody Endpoint (Not for Export)†	7206	<ul style="list-style-type: none"> ● RTT 1 mL serum  	NOT FOR EXPORT TESTING	4-5 weeks
Rickettsia rickettsii (RMSF) IFA†	RMSFIFA	<ul style="list-style-type: none"> ● RTT 1 mL serum  		10 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Feline Leukemia Virus (FeLV) (ELISA)	25000531	<ul style="list-style-type: none"> ● ● ● SST, RTT, LTT 0.5 mL serum or EDTA plasma or whole blood  		Next day by 8 AM
Babesia IFA†	BABESIAIFA	<ul style="list-style-type: none"> ● ● SST or RTT 1 mL serum  	<i>Babesia canis</i> , <i>B gibsoni</i>	10 days
Comprehensive (PCR and Serology) Vector Panel, Felinet†	FELVECTPNL	<ul style="list-style-type: none"> ● ● RTT, LTT 2 mL serum AND 2 mL EDTA whole blood  	<i>Bartonella henselae</i> , <i>B vinsonii</i> , <i>B koehlerae</i> (by IFA); <i>Borrelia</i> (Lyme), <i>Anaplasma</i> , <i>Ehrlichia</i> , and heartworm (by rapid assay); PCR for <i>Babesia</i> , <i>Bartonella</i> , <i>Cytauxzoon</i> , <i>Anaplasma</i> , <i>Ehrlichia</i> , <i>Rickettsia</i> , and hemotropic <i>Mycoplasma</i> organisms	7-10 days
Canine Influenza Virus Titer†	K9FLUAB	<ul style="list-style-type: none"> ● RTT 0.5 mL serum  	HAI (antibody detection) specific for H3N8	7-10 days
Tick Panel Screening Test + Heartworm Antigen Test	25001389	<ul style="list-style-type: none"> ● ● ● 0.5 mL of serum or EDTA plasma or whole blood  	<i>Ehrlichia</i> , <i>Anaplasma</i> , <i>Borrelia</i> (Lyme) by rapid assay; Heartworm Ag by DiroCHEK® ELISA. Canines only.	8 AM next day
New Zealand Export Panel I†	NZECPN	<ul style="list-style-type: none"> ● ● SST, RTT 2 mL serum  	<i>Leptospira canicola</i> (by MAT), heartworm antigen (by ELISA) For EXPORT TESTING. Include patient microchip number and date of sample collection for a seamless experience.	8-12 days
New Zealand Export Panel II†	NZECPN2	<ul style="list-style-type: none"> ● ● SST, RTT 2 mL serum  	<i>Babesia gibsoni</i> (by IFA), <i>Brucella canis</i> (by SAT/AGID) For EXPORT TESTING. Include patient microchip number and date of sample collection for a seamless experience	3-5 days
Canine Parvovirus Fecal Test	60002	<ul style="list-style-type: none"> ● Feces 1 gm fresh feces  		Next day by 5 PM

Clinical Pharmacology/Toxicology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Cyclosporinet†	6335	<ul style="list-style-type: none"> LTT 0.5 mL EDTA whole blood 		3-5 days
Leflunomide Level†	LEFLUNO	<ul style="list-style-type: none"> RTT, LTT 0.5 mL serum, separated or plasma	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	7-14 days
Levetiracetam (Kepra)†	6321	<ul style="list-style-type: none"> RTT 0.5 mL serum, separated	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	3-5 days
Quantitative Copper (Blood or Tissue)†	6171	<ul style="list-style-type: none"> RTT, LTT or GRNTT As indicated: 2 mL serum, whole blood (EDTA or heparin), or 50 mg tissue (fresh, frozen, fixed or in paraffin block)	For copper associated liver disease liver tissue MUST be submitted.	7-10 days
Zinc, Serum/Plasma†	ZINC	<ul style="list-style-type: none"> RBTT 2 mL RBTT EDTA plasma or RBTT serum, separated 	Plasma or serum is required for this assay. Collect whole blood into an EDTA RBTT, separate and transfer EDTA plasma to a new, labeled RBTT to avoid zinc contamination. Follow a similar protocol for serum collection, but use a serum RBTT.	3-5 days
Anticoagulant (Rodenticide)†	ANTICOAG	<ul style="list-style-type: none"> LTT 3 mL EDTA whole blood 	Includes brodifacoum, bromadiolone, chlorophacinone, difenacoum, difethialone, diphacinone, and warfarin	6-12 days
Bromide	1025	<ul style="list-style-type: none"> SST, RTT 0.5 mL serum, separated 	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	1-2 days
Digoxin†	6320	<ul style="list-style-type: none"> LTT, RTT 0.5 mL serum, separated or EDTA plasma	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	3-5 days

Clinical Pharmacology/Toxicology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Drugs of Abuse†	DOA	<p>●●● SST, RTT, YTT/sterile leakproof container As indicated: 10 mL serum or urine or 10 g liver or kidney</p>	Amphetamine, cocaine, benzoylecgonine, norcocaine, ephedrine, lysergic acid diethylamide, (LSD), methamphetamine, MDMA, nicotine, phentermine, psilocin, delta-9-THC, THC-OH, THC-COOH, methadone, morphine, HU-210, JWH-018	10-14 days
LC/Mass Spectrometry Toxicology Screen†	LCMS	<p>○ WTT or sterile, leakproof container As indicated: 20 mL fluid, 50 g tissue, 50 g feed OR 50 g source material</p> <p>❄</p>	Toxicology screen for unknown exposure	2-3 weeks
Blood Lead†	6240	<p>●● LTT, GRNTT 0.5 mL EDTA or heparinized whole blood</p> <p>📄</p>		5-7 days
Zonisamide†	6322	<p>●● LTT, RTT 0.5 mL serum, separated or EDTA plasma</p>	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	6-10 days
Keppra Levels Peak & Trough Samples†	KEPPRA	<p>● RTT 2 samples of 0.5 mL serum, separated each</p>	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	6-10 days
Phenobarbital	1031	<p>● RTT 0.5 mL serum, separated</p> <p>📄</p>		1-2 days
Gabapentin†	GAB	<p>●● LTT, RTT 0.5 mL EDTA plasma or serum, separated</p>	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	3-5 days
Toxic Heavy Metal Panel†	25001395	<p>●● LTT, GRNTT As indicated: 8 mL EDTA or heparinized whole blood or 3 g tissue (liver or kidney)</p> <p>📄</p>	Quantitative analysis of arsenic, cadmium, lead, thallium, mercury, selenium	6-12 days

Pathology

Histopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Histopathology Simple Single Site	ZN100	Formalin-fixed tissue Also accepted: fresh tissue, prepared histopathology slides	- Single site - No more than 10 cm in any dimension - Not for dermatologic disease or with other criteria of Complex Level 1 or 2	3-7 days
Histopathology Simple Multiple Sites (Up to 5 Sites)	ZN101	Formalin-fixed tissue Also accepted: fresh tissue, prepared histopathology slides	- Simple samples from up to 2-5 unique sites - No more than 10 cm in any dimension - Not for dermatologic disease or with other criteria of Complex Level 1 or 2	3-7 days
Histopathology Complex Level 1	ZN102	Fresh or formalin-fixed tissue	- Skin biopsies for dermatologic disease (without dermatologist consult) - Multiple gastrointestinal biopsies - Bone marrow - Whole organs/major components of organs: eye, spleen, testicles, uterus/ovaries, mammary chains (2 or more connected glands), amputated digit/nail or tail, liver lobe, or lung lobe - Large samples (>10cm in any dimension) - Individual teeth or other small samples containing bone - Simple samples from 6-15 unique sites - Formalin-fixed whole bodies <300 g	3-9 days
Histopathology Complex Level 2	ZN103	Fresh or formalin-fixed tissue	- Mandible, maxilla (all jaws, regardless of size) - Amputated limb - Other large/atypical samples containing bone - Multiple Complex Level 1 samples - Simple samples from >15 sites .	Varies by nature of sample



See the complete Directory of Services online at zoetisreflabs.com/DOS

Pathology (cont'd)

Specialty Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Dermatopathology Panel	ZN400	<ul style="list-style-type: none"> - Formalin-fixed skin biopsies - Detailed history and clinical images are required 	<ul style="list-style-type: none"> - Includes Histopathology & Dermatologist Consult - Addendum with case management guidance from boarded dermatologist - Images can be sent to: referencelabpathology@zoetis.com 	Dermatopathology: 3-7 days. Consult provided after dermatopathology.
Liver Panel	ZN500	<ul style="list-style-type: none"> - At least 3 x 1 cm 14G needle biopsies, 1+ wedge biopsy (ideally multiple), or other larger liver sample - Samples for histologic review should be formalin-fixed - Samples for copper quantitation may be fresh or formalin-fixed - Detailed history is required 	<ul style="list-style-type: none"> - Biopsy report by liver specializing pathologist - H&E, connective tissue, and copper stains - Copper quantitation - Images can be sent to: referencelabpathology@zoetis.com 	Histopathology: 3-7 days. Quantitative copper analysis: Additional 3-7 days
Liver Panel & Medical Consult	25001436	<ul style="list-style-type: none"> - At least 3 x 1 cm 14G needle biopsies, 1+ wedge biopsy (ideally multiple), or other larger liver sample - Samples for histologic review should be formalin-fixed - Samples for copper quantitation may be fresh or formalin-fixed - Detailed history is required 	<ul style="list-style-type: none"> - Biopsy report by liver specializing pathologist - H&E, connective tissue, and copper stains - Copper quantitation - Addendum with case management guidance from boarded internist with liver expertise - Images can be sent to: referencelabpathology@zoetis.com 	Histopathology: 3-7 days Quantitative copper analysis and consult: Up to 21 days

Pathology (cont'd)

Specialty Histopathology Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Nephropathology (Renal) Panel	ZN25000541	<ul style="list-style-type: none"> - 1 or more 14G to 18G core needle biopsy, a wedge biopsy, or other larger renal sample (eg, nephrectomy) - Detailed history is required 	<ul style="list-style-type: none"> - Biopsy report by kidney specializing pathologist - H&E, PAS, trichrome, Jones methenamine silver stains (Congo Red also included, if indicated) - Images can be sent to: referencelabpathology@zoetis.com 	3-7 days

Other Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
C-Kit Mutation Assay†	6541	Paraffin block (preferred); Formalin-fixed tissue; fresh tissue; or minimum 6 unstained positively charged slides. Must also include the histopathology report. 	C-Kit PCR Exons 8 & 11 This test must be ordered on an existing histopathology accession by calling customer service at 1-888-965-9652 . See specific recommendations made by the pathologist in the existing pathology report. Please include histopathology report.	10-14 days
Melanoma Prognostic Panel	6426	Fixed tissue, paraffin tissue block, or unstained slides 	IHC for Ki-67 and prognostic interpretation This test must be ordered on an existing histopathology accession. See specific recommendations made by the pathologist in the existing pathology report.	7-10 days

Pathology (cont'd)

Other Histopathology Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Complete Muscle Profile†	CM	0.5 x 0.5 x 1.0 cm biopsy from affected, but not end-stage muscle from open biopsy procedure. 	Wrap specimen in a saline moistened (not dripping) gauze sponge, place in dry water-tight container, keep refrigerated, and ship on cold packs. Collect a second smaller biopsy and immersion fix in 10% neutral buffered formalin. For optimal results, keep specimens chilled and ship immediately.	7-10 days
Lymphoid Neoplasia PCR/ PARR (T&B cell) from Histopathology Sample†	6544	Biopsy sample	PARR for lymphoma and lymphoid leukemia This test must be ordered on an existing histopathology accession by calling customer service at 1-888-965-9652 . See specific recommendations made by the pathologist in the existing pathology report.	10-14 days
Mast Cell Tumor Prognostic Panel	6540	Paraffin block, fresh or formalin-fixed tissue, or unstained, non-coverslipped, positively charged slides (minimum 10 slides)	IHC for C-Kit and Ki-67, PCR for C-Kit Exons 8 and 11, and AgNOR special staining This test must be ordered on an existing histopathology accession by calling customer service at 1-888-965-9652 . See specific recommendations made by the pathologist in the existing pathology report. Please include a copy of the original biopsy report.	10-14 days
Melanoma Diagnostic Panel	6425	Fixed tissue, paraffin tissue block, or unstained slides	IHC for melan A, PNL-2, TRP-1, and TRP-2 This test must be ordered on an existing histopathology accession by calling customer service at 1-888-965-9652 . See specific recommendations made by the pathologist in the existing pathology report. Please include a copy of the original biopsy report. Numeric results will be complete within 3-5 days. An interpretation will be provided an additional 1-10 days post numeric result.	3-5 days
Copper, Zinc, Iron Levels on Hepatic Tissue†	COPZNCIRON	Liver may be fresh (minimum 50 mg wet tissue), frozen, fixed, or embedded in a paraffin block	For copper associated liver disease liver tissue MUST be submitted.	1-2 weeks

Pathology (cont'd)

Cytopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Cytopathology Simple/ Single Site	7120	<ul style="list-style-type: none"> LTT As indicated: Unstained, air-dried slides; fluid from a mass in LTT  Slides  Liquid	For the following sample types: <ul style="list-style-type: none"> Single lesion/tissue (FNA, swab, impression smear) Single or multiple lymph nodes Single joint (slides only) Fluid from mass lesion (cytology only) 	1-2 days
Cytopathology Complex	7201	<ul style="list-style-type: none"> LTT As indicated: Unstained, air-dried slides and/or fluid in LTT  Slides  Liquid	For the following sample types: <ul style="list-style-type: none"> Up to 7 lesions/tissue types (FNA, swab, impression smear) Multiple joints (slides only) Bone marrow BAL/TTW (1 mL minimum EDTA recommended) CSF (1 mL minimum recommended, aliquot as 0.5 mL LTT and 0.5 mL RTT) Liquid joint fluid for complete analysis (2 mL LTT minimum per joint recommended) Cavitary effusion(s) (2 mL LTT minimum per effusion) 	1-2 days
Lymphoid Neoplasia PCR/PARR (T&B Cell) from Blood, Fluid, Cytopathology Sample†	6542	<ul style="list-style-type: none"> LTT As indicated: cytology slides, 1 mL EDTA (LTT) blood, bone marrow or other liquid samples, or aspirated tissue material in EDTA	PCR for Antigen Receptor Rearrangement for lymphoma and lymphoid leukemia May be performed on blood, bone marrow, cavitary effusion, CSF, or tissue aspirate. Associated laboratory results (e.g., cytology report, CBC) MUST be included with submission for testing to proceed.	7-12 days

Clinical Immunology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
2M Antibody Masticatory Muscle Myositis†	6403	● RTT 1 mL serum 	Collect samples prior to immunosuppressive therapy.	7-12 days
Acetylcholine Receptor Antibody/Myasthenia Gravis†	6402	● RTT 1 mL serum 	Collect samples prior to immunosuppressive therapy.	7-12 days
Complete Amino Acid Profile†	COMPAA	● GRNTT 1 mL heparinized plasma, separated and frozen 		7-9 days
IgA, Canine	IGA	●● SST, RTT 2 mL serum 		3-5 days
Anti-Nuclear Antibody (IFA)	ANA	●● SST, RTT 0.5 mL serum 	Detects antinuclear IgG antibodies. Positive results reported as a titer. Separate serum within 30 mins of collection	2-5 days
Protein Electrophoresis	6345	●●● SST, RTT, YTT/sterile, leakproof container 0.5 mL serum, >10 mL urine 		3-6 days
IgG, IgA, IgM, Canine†	IGGAM	● RTT 1 mL separated serum 		7-10 days
IgG, Canine†	IGG	● RTT 1 mL separated serum 		7-10 days
Allergy Panel, Canine/Feline†	25001385	●● SST, RTT 3 mL serum		10-14 days

Clinical Immunology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Immunofixation Add-on†	25001431	●●● SST, RTT, YTT/sterile leakproof container 1 mL serum, 5-10 mL urine	Must be ordered in addition to Protein Electrophoresis.	3-4 days
Protein Electrophoresis and Immunofixation†	25001430	●●● RTT, STT, YTT/sterile leakproof container 0.5 mL serum, >=15 mL urine in YTT/Sterile leakproof container		5-7 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Genetic

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Degenerative Myelopathy†	DEGMYE	<ul style="list-style-type: none"> ● LTT 3-7 mL EDTA whole blood or fresh, frozen tissue (tongue/muscle, spleen, kidney, or liver)  Blood  Tissue 	UMC Canine DM DNA Testing & Research Form REQUIRED for testing to proceed.	7-14 days
Fanconi Syndrome Test†	FANCONI	<ul style="list-style-type: none"> ● YTT/sterile leakproof container 3-5 mL urine (frozen)  	Ship on ice overnight	1-4 weeks
Centronuclear Myopathy†	CNM	Oral brushing	Interdental/GUM brushes supplied by owner or Cytology Brush supplied by VGL at no additional charge	10-14 days
Methylmalonic Aciduria (Cobalamin Malabsorption)†	COBMAL	<ul style="list-style-type: none"> ● YTT/sterile leakproof container 3-5 mL urine (frozen)  	Ship on ice overnight	5-7 days
Cystinuria Nitroprusside†	CYSTINURIA	<ul style="list-style-type: none"> ● YTT/sterile leakproof container 3-5 mL urine (frozen)  		7-10 days
Congenital (CKCS) Macrothrombocytopenia†	CKCSMACRO	<ul style="list-style-type: none"> ● LTT 1 mL EDTA whole blood AND 3-5 unstained blood smears  Blood  Slides 	Beta1-tubulin mutations	7-10 days
Pyruvate Kinase Deficiency DNA Test†	PYRUDNA	<ul style="list-style-type: none"> ● LTT 1-2 mL EDTA whole blood or cheek swab  		1-4 weeks

Nutrition

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Selenium†	SELENIUM	<ul style="list-style-type: none"> ● ● LTT, RTT 0.5 mL EDTA whole blood preferred; 0.5 mL serum or EDTA plasma also accepted 		3-5 days
Trace Element Screen†	TMINPAN	<ul style="list-style-type: none"> ● RBTT 2 mL serum from RBTT 	Ca, Cu, Fe (unbound), Mg, Na, K, Phos, Zn Collect blood in an RBTT serum tube to avoid zinc contamination. Separate and transfer serum to a new RBTT tube.	5-7 days
Taurine (Plasma and Whole Blood)†	TAUR	<ul style="list-style-type: none"> ● GRNTT 1 mL separated heparinized plasma AND 2 mL heparinized whole blood 	Freeze separated serum AND whole blood. Ship frozen on ice packs.	10 days
Taurine:Whole Blood†	TAURWB	<ul style="list-style-type: none"> ● GRNTT 2 mL heparinized whole blood 	Ship frozen on ice packs	10 days
Taurine:Plasma†	TAURPLAS	<ul style="list-style-type: none"> ● GRNTT 1 mL separated heparinized plasma 	Ship frozen on ice packs	10 days
Thiamine (Vitamin B1)†	THIAMINE	<ul style="list-style-type: none"> ● ● GRNTT, LTT 3 mL EDTA or heparinized whole blood  	Freeze immediately and protect from light. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days

Nutrition (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Vitamin E [†]	2331	<p>●●●● SST, RTT, LTT, GRNTT</p> <p>1.5 mL serum or heparinized or EDTA plasma, separated and protected from light</p> 		3-5 days
Vitamin E and Mineral Panel [†]	VITEMINE	<p>●● RBTT and RTT</p> <p>1 mL EDTA whole blood in RBTT, 1 mL serum in RBBT, separated, AND 1 mL serum in RTT (separated and protected from light)</p> 	<p>Vitamin E, Ca, Cu, Fe, Mg, Phos, Zn, Se</p> <p>Collect whole blood into an EDTA RBTT AND serum into an RBTT serum tube to avoid zinc contamination. Separate and transfer serum to a new RBTT tube. Collect additional serum in a RTT, separate and protect from light. LABEL the serum types (RTT v. RBTT).</p>	8-10 days
Carnitine [†]	CARNITINE	<p>●● GRNTT, YTT/Sterile leakproof container 0.5 mL heparinized plasma (separated) OR 5 mL urine</p> 	Freeze plasma or urine within 20 minutes of collection. Ship on dry ice. Customer service can assist with frozen package pickup.	15-21 days
Vitamin A [†]	VITA	<p>●●●● SST, RTT, LTT, GRNTT</p> <p>1.5 mL serum or EDTA or heparinized plasma, separated</p> 		3-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Add-Ons

You can quickly and easily add any of the tests below to an existing order, provided sufficient sample remains at the lab and is within stability guidelines. If you order electronically, you can place add-on orders through your PIMS or the ZoetisDx portal. If you use paper requisition forms, call customer service at **1-888-965-9652**.

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Anaerobic ID Add-on	A7157	Anaerobic tube or fluid/ tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Bile Acid Pre/Resting Add-on	A6180	● ● SST, RTT 0.5 mL serum 		1-2 days
ZRL™ Premium Lipase (DGGR Lipase) Add-on	A1030	● ● SST, RTT 0.5 mL serum 		8 AM next day
FELV/FIV Rapid Test Add-on	A6005	● ● ● SST, RTT, LTT 0.25 mL of serum or EDTA plasma or whole blood 	Lateral flow assay with confirmation of positive FeLV results by ViraCHEK® ELISA	8 AM next day
Fructosamine Add-on	A1024	● ● SST, RTT 0.5 mL serum 		1-2 days
Heartworm Antigen Test Add-on	A6001	● ● ● SST, RTT, LTT 0.25 mL of serum or EDTA plasma 	DiroCHEK® ELISA	8 AM next day
SDMA Add-on	AN7037	● ● SST, RTT 0.5 mL serum 		8 AM next day

Add-Ons (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Tick Panel Screening Test Add-on	A6002	<p>● ● ● SST, RTT, LTT 0.25 mL of serum or EDTA plasma or whole blood</p> 	Lateral flow assay for Ehrlichia, Anaplasma, Borrelia (Lyme) Antibodies Canines only.	8 AM next day
Triglycerides Add-on	A1023	<p>● ● SST, RTT 0.5 mL of serum or EDTA plasma or whole blood</p> 		8 AM next day
TLI Canine Add-on	A6206	<p>● ● SST, RTT 0.5 mL serum, separated</p> 		1-2 days
Cortisol Add-on	A5101	<p>● RTT 0.5 mL serum, separated</p> 		8 AM next day (1-2 days for feline/equine samples)
Direct Coombs Add-on	A2701	<p>● LTT 2 mL EDTA whole blood</p> 		1-2 days
Feline Heartworm Antibody (ELISA) Add-on†	A6007	<p>● ● SST, RTT 1 mL serum</p> 	HW Ab ELISA	5-8 days
Free T4 Add-on	A5103	<p>● ● SST, RTT 0.5 mL serum</p> 		8 AM next day
Giardia Antigen Test, Canine/Feline Add-on	A2321	<p>● Feces 3 gm fresh feces</p> 	<i>Giardia</i> Ag ELISA	Next day by 5 PM
Leptospira Antibodies (IgM), Canine Add-on	A6008	<p>● ● ● SST, RTT, LTT 0.5 mL serum or EDTA plasma or whole blood</p> 	Detects IgM for the following canine serovars: <i>canicola</i> , <i>icterohaemorrhagiae</i> , <i>grippityphosa</i> , <i>pomona</i>	1-3 days

Add-Ons (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Phenobarbital Add-on	A1031	● RTT 0.5 mL serum 		1-2 days
Total T4 Add-on	A5102	●● SST, RTT 0.5 mL serum 		8 AM next day
TSH Add-on	A5106	●● SST, RTT 0.5 mL serum 		8 AM next day (1-2 days for feline samples)
Urine Culture and Sensitivity Add-on	A7140	● YTT/sterile tube 1 mL urine in YTT or sterile container. 		1-5 days
Urine Protein:Creatinine Ratio Add-on	A1555	● YTT 1 mL urine in YTT/sterile container 		8 AM next day
Urine Cortisol:Creatinine Ratio Add-on†	A3310	● YTT 1 mL urine in YTT/sterile container 		8 AM next day (1-2 days for feline samples)
Coccidioides Titer AGID Add-on	A6129	●● SST or RTT 1 mL serum 	IgG, IgM assessed via AGID. Titer provided for IgG if positive	5-7 days
Urinalysis Add-on	25001700	● YTT 5 mL urine in YTT/sterile container 		

Add-Ons (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Urinalysis w/ reflex UPC Add-on	25001701	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	Use this code when no urine testing was ordered at sample submission, but a urinalysis and reflex UPC is needed after the fact. A UPC will be performed automatically if the urine meets the required criteria.	
Free (Ionized) Calcium (Mich. State Univ.) Add-on†	A6304	<ul style="list-style-type: none"> ● RTT 0.75 mL serum, separated 		3-6 days
Reticulocyte Count Add-on	25000525	<ul style="list-style-type: none"> ● LTT 0.5 mL EDTA whole blood 		8 AM next day



See the complete Directory of Services online at zoetisreflabs.com/DOS



Large Animal

Core Panels at a glance

Our Core Panels equip you with the information you need to help you provide the best medicine for your patients.

Components	Test Code	CBC	ClinChem	Endocrine	UA	Reflex UPC
Wellness	EQWP	Basic	ClinChem 24: Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Mg, TP, Alb, Glob, Alb:Glob Ratio, AST, GGT, TBili, CK, CO2, Anion Gap, Phos, GLDH, ALP, Chol			
Exercise	25000489		Exercise ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, AST, CK		✓	
Metabolic	25000494		Glu, BUN, Creat, BUN:Creat Ratio, TP, Chol, Trig	Endogenous ACTH, Insulin		
Renal I	25000497	Comp	Renal ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO2, Anion Gap, TP, Alb		✓	✓
Renal II	25000498		Renal ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO2, Anion Gap, TP, Alb		✓	✓

Comp = Comprehensive

Core Panels

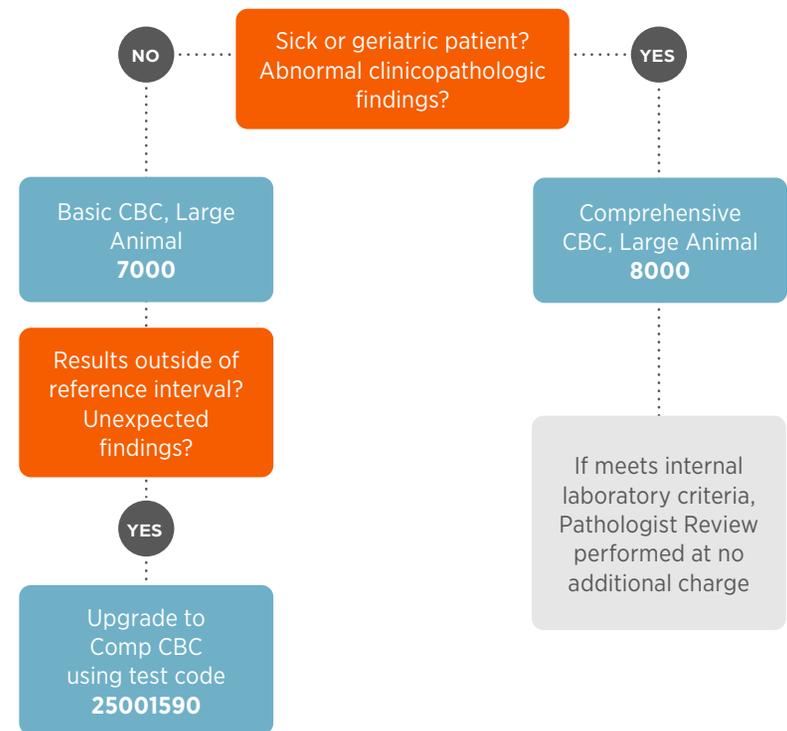
Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Large Animal Wellness Panel	EQWP	●●● 1 mL serum; 2 mL EDTA whole blood	Basic CBC, Large Animal ClinChem 24	1-2 days
Exercise Panel, Large Animal	25000489	●●● SST, RTT, YTT 1 mL serum; 5 mL urine in YTT/sterile container	Exercise ClinChem, (Glu, Na, K, Cl, BUN, Creat, BUN, BUN/Creat, AST, CK, UA)	1-2 days
Metabolic Panel, Large Animal	25000494	●● SST, RTT 2 mL serum	Glu, BUN, Creat, BUN:Creat Ratio, TP, Chol, Trig, Endogenous ACTH, Insulin	1-3 days
Pre-anesthetic Panel, Large Animal	25000495	●●● SST, RTT, LTT 1 mL serum; 2 mL EDTA whole blood	Basic CBC, Pre-Anesthetic ClinChem (Glu, Na, K, Creat, Ca, TP, GLDH, Tbili)	1-2 days
Renal Panel I, Large Animal	25000497	●●●● SST, RTT, LTT, YTT 2 mL EDTA whole blood; 1 mL serum; 5 mL urine in YTT/sterile container	Basic CBC, Renal ClinChem (Glu, Na, K, Cl, BUN, Creat, BUN/Creat, Ca, P, CO2, AG, TP, ALB, UA, Reflex UPC)	1-2 days
Renal Panel II, Large Animal	25000498	●●● SST, RTT, YTT 1 mL serum; 5 mL urine in YTT/sterile container	Renal ClinChem, (Glu, Na, K, Cl, BUN, Creat, BUN/Creat, Ca, P, CO2, AG, TP, ALB, UA, Reflex UPC)	1-2 days

Hematology

Choose the CBC option that's best for your patients.

At Zoetis Reference Laboratories, our CBCs are grounded in quality standard operating procedures developed by a team of board-certified clinical pathologists. Expertly trained technicians produce quality results, collaborating directly with pathologists as needed along the way.

	Basic Test code: 7000	Comprehensive Test code: 8000
	Recommended for wellness screens in non-geriatric, healthy patients	Recommended for sick or geriatric patients
WBC, HGB, RBC, HCT, MCV, MCHC, CHCM, RDW, 5-Part WBC Differential, Platelet Count, MPV, Plasma Protein, Fibrinogen, Plasma Protein:Fibrinogen Ratio	✓	✓
Performed if indicated based on automated results: Spun PCV, Manual WBC Differential, Assessment for Platelet Clumping +/-, Visual Platelet Estimate, and/or Reticulocyte Count	✓	✓
Complete manual smear review by technician		✓
Pathologist review if indicated by laboratory established criteria		✓



Tests listed above are intended for horses and other domestic hoofstock, including: cattle, sheep, goats, pigs, camels, llamas, and alpacas.

Test requirements: 2 mL EDTA whole blood

Hematology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Basic CBC, Large Animal (Healthy Animals)	7000	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood  	RBC, HGB, HCT, MCV, MCHC, CHCM, RDW, WBC, WBC Differential, PLT, MPV, Plasma Protein, Fibrinogen, Plasma Protein:Fibrinogen Ratio. If results indicate, will include a PCV, Manual Differential, and/or Reticulocyte Count (species dependent).	1-2 days
Comprehensive CBC, Large Animal	8000	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood,  	CBC with blood smear review by technician. If results indicate, will include a PCV, Manual Differential, Reticulocyte (species dependent) Count, and/or Pathologist Review.	1-2 days. Pathologist Review may extend turnaround time 24 hrs.
Comprehensive CBC Upgrade, Large Animal	25001590	<ul style="list-style-type: none"> LTT 2 mL EDTA whole blood 		1-2 Days. Pathologist Review may extend turnaround time 24 hrs.
Pathologist Review	PATH		Comprehensive CBC and blood smear review by pathologist when ordered pre-emptively. Only comprehensive CBCs are eligible for pathologist review.	1-2 days
Technician Blood Smear Review	SMREV	<ul style="list-style-type: none"> LTT 2 unstained, air-dried slides; include 2 mL EDTA whole blood, if possible (for in-lab preparation of smears)  Blood  Slides 	Morphologic review of RBC, WBC, and platelets, Manual WBC Differential, and visual platelets estimate. If indicated based on internal lab criteria, a Pathologist Review will be included.	8 AM next day
Reticulocyte	RETIC	<ul style="list-style-type: none"> LTT 1 mL EDTA whole blood  	RBC, % Reticulocyte, Absolute Reticulocyte (species dependent)	8 AM next day
Buffy Coat	6295	<ul style="list-style-type: none"> LTT 1 mL EDTA whole blood  		1-2 days

Hematology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Iron Profile†	IRONPRO	<ul style="list-style-type: none"> ● ● RTT, GRNTT 0.5 mL serum or heparinized plasma  	Iron, TIBC, and Ferritin	7-10 days
PT & aPTT	4101	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)  	For weekend and holiday shipping recommend freezing plasma and sending on ice.	8 AM next day
Antithrombin (AT3)†	ANTTHRO3	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT). Freeze. Ship on ice packs.  		3-5 days
Protein C†	PROC	<ul style="list-style-type: none"> ● ○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) Freeze. Ship on ice packs.  		2-3 days
Low Molecular Weight Heparin†	LMWHEPARIN	<ul style="list-style-type: none"> ● ○ BTT, WTT 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)  	Anti-Xa activity of LMWH	2-3 days

Chemistry

ClinChem Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Erythropoietin (EPO) [†]	50227	<ul style="list-style-type: none"> ● ● SST, RTT 1-2 mL separated serum in SST or aliquoted into no-additive tube (WTT).  		5-7 days
ClinChem 18, Large Animal	CHEM18EQ	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Mg, TP, Alb, Alb:Glob Ratio, AST, GGT, TBili, CK	1-2 days
Large Animal ClinChem 24	CHEM24EQ	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, Na, K, Na:K Ratio, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Mg, TP, Alb, Alb:Glob Ratio, AST, GGT, TBili, CK, Anion Gap, Phos, GLDH, ALP, Chol	1-2 Days
Exercise ClinChem, Large Animal	25000509	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, AST, CK	1-2 days
Liver ClinChem, Large Animal	25000511	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, GLDH, GGT, TBili, Chol	1-2 days
Renal ClinChem, Large Animal	25000485	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO ₂ , Anion Gap, TP, Alb	1-2 days
Pre-Anesthetic ClinChem, Large Animal	25000486	<ul style="list-style-type: none"> ● ● SST, RTT 1 mL serum  	Glu, Na, K, Creat, Ca, TP, GLDH, TBili	1-2 days

Chemistry (cont'd)

Individual Chemistry Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Free (Ionized) Calcium	IONISTAT	<ul style="list-style-type: none"> GRNTT 0.5 mL lithium heparinized whole blood 	Ensure that the sample is treated anaerobically and that the correct ratio of heparin anticoagulant to blood is achieved (do not underfill GRNTT).	1-2 days
Free (Ionized) Calcium (Mich. State Univ.)†	6304	<ul style="list-style-type: none"> RTT 0.75 mL serum, separated 		3-6 days
LDH†	LDH	<ul style="list-style-type: none"> RTT, GRNTT 0.5 mL separated serum or heparinized plasma (effusion fluid and urine also accepted) 	Offered for equine, bovine, and ovine species.	3-5 days
Osmolality†	OSMOLAL	<ul style="list-style-type: none"> RTT, GRNTT 1 ml separated serum or heparinized plasma 		2-3 days
Serum Amyloid A (SAA), Equine†	SAA	<ul style="list-style-type: none"> RTT 1-3 mL serum 		2-3 days
Albumin	1001	<ul style="list-style-type: none"> SST, RTT 0.5 mL serum 		1-2 days

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
High-Sensitivity Cardiac Troponin I†	TROPONIN	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL non-hemolyzed serum (frozen)  	<p>Non-canine species' reports will not contain reference interval or interpretive comments.</p> <p>Recommend shipping on dry ice. Customer service can assist with frozen package pickup.</p>	4-5 days
ALP (Alk Phos)	1003	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
AST	1005	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
BUN	1006	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
Chloride	1007	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
Calcium (Total Calcium)	1008	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
Cholesterol	1009	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days
Creatinine	1010	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum  		1-2 days

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Creatinine Kinase (CK)	1011	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum   		1-2 days
GLDH	1040	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
GGT	1013	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
Glucose	1014	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
Magnesium	1016	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
Phosphorus	1017	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
Potassium	1018	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days
Sodium	1019	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		1-2 days

Chemistry (cont'd)

Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
CO2	1020	● ● SST, RTT 0.5 mL serum 		1-2 days
Total Bilirubin	1021	● ● SST, RTT 0.5 mL serum 		1-2 days
Total Protein	1022	● ● SST, RTT 0.5 mL serum 		1-2 days
Triglycerides	1023	● ● SST, RTT 0.5 mL serum 		1-2 days



See the complete Directory of Services
online at zoetisreflabs.com/DOS

Urine

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Urinalysis	3000	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 		8 AM next day
Urine Protein:Creatinine Ratio	1555	<ul style="list-style-type: none"> ● YTT 1 mL urine in YTT/sterile container 		8 AM next day
Urinalysis with Reflex UPC	25000521	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	A UPC will be performed automatically if the urine meets the required criteria.	8 AM next day
Urinalysis with Reflex UPC upgrade	25001702	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	Use this code to upgrade a core panel urinalysis to include reflex UPC	
Urine Electrolyte Panel (for Fractional Excretion) [†]	FREXCRE	<ul style="list-style-type: none"> ● YTT 2 mL urine in YTT/sterile container AND 2 mL separated serum or heparinized plasma 	Cl, Creat, K, Na Concurrent measurement of serum creatinine and electrolytes is needed for determination of fractional excretion.	3-5 days

Endocrinology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Cortisol (Baseline/Resting)	5101	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		8 AM next day (1-2 days for feline/equine samples)
Cortisol AM/PM, Equine	AMPMEC	<ul style="list-style-type: none"> ● SST, RTT 2 mL serum (2 samples required)  	Label tubes with collection times	1-2 days
Progesterone	5105	<ul style="list-style-type: none"> ● RTT 0.5 mL serum  		8 AM next day
Total T4	5102	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		8 AM next day
Free T4	5103	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		8 AM next day
Free T4 by ED†	6330	<ul style="list-style-type: none"> ● SST, RTT 0.5 mL serum  		5-7 days
Total T3 (TT3), Equine	TT3	<ul style="list-style-type: none"> ● SST, RTT 1 mL serum  		1-2 days
Thyroid Panel	EQTHYROID	<ul style="list-style-type: none"> ● SST, RTT 1.5 mL serum  	TT4, TT3, free T4	1-2 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Estrone sulfate, Equine†	25001386	<ul style="list-style-type: none"> ● ● SST, RTT PREFERRED: 1 mL serum; 1 mL separated EDTA or heparinized plasma also accepted  		3-10 days
Endogenous ACTH	ENDOACTH	<ul style="list-style-type: none"> ● LTT 1 mL EDTA plasma; separated within 4 hours and shipped frozen  	Sample should arrive to the lab frozen or chilled. Recommend shipping on dry ice. Customer service can assist with frozen package pickup.	1-3 days
Equine Metabolic Panel (ACTH, Insulin, Glucose)	EQCUSHING	<ul style="list-style-type: none"> ● ● ● SST, RTT, LTT 1 mL EDTA plasma (separated within 4 hrs and frozen) AND 1 mL serum (separated within 1 hr)  Plasma  Serum 	Endogenous ACTH, Insulin, Glu If unable to separate serum within 1 hr: 1 mL EDTA plasma (separated within 4 hrs and frozen), 1 mL serum, AND 2 mL GRYTT whole blood EDTA plasma for ACTH should arrive to the lab frozen or chilled. Recommend shipping on dry ice. Customer service can assist with frozen package pickup.	1-3 days
Metabolic Syndrome Panel I, Equine†	CUSHING	<ul style="list-style-type: none"> ● ● ● SST, RTT, LTT 1 mL EDTA plasma (separated within 4 hrs and frozen) AND 1 mL serum (separated within 1 hr)  Plasma  Serum 	Endogenous ACTH, Insulin, Glu, Leptin, T4 EDTA plasma for ACTH should arrive to the lab frozen or chilled. Recommend shipping on dry ice. Customer service can assist with frozen package pickup.	1-3 days
TRH Stimulation Test for Equine Cushing's/PPID	2222	<ul style="list-style-type: none"> ● LTT 1 mL EDTA plasma for each sample (separated within 4 hrs and frozen)  	Baseline and post-TRH ACTH Samples should arrive to the lab frozen or chilled. Recommend shipping on dry ice. Customer service can assist with frozen package pickup.	1-4 days
Insulin-like Growth Factor†	ILGROFAC	<ul style="list-style-type: none"> ● ● ● SST, RTT, LTT 0.75 mL serum or EDTA plasma 		5-10 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Vitamin D (25-hydroxyvitamin D3)[†]	VITD	● RTT 0.75 mL serum, separated and frozen 	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	4-10 days
GCT Panel II, Equine[†]	EQGCTPII	●● SST, RTT 3 mL serum 	Anti-Müllerian Hormone, Inhibin, Testosterone	5-7 days
Anti-Müllerian Hormone, Equine[†]	ANTIMULL	●● SST, RTT 1 mL serum 		3-14 days
Pregnancy Panel, Equine[†]	25001387	●● SST, RTT 3 mL serum 	Estrone Sulfate, Pregnant Mare Serum Gonadotropin, Progesterone	3-10 days
Pregnant Mare Serum Gonadotropin (PMSG)[†]	25001388	●● SST, RTT 1 mL serum 	Horses only - samples should be taken 50-100 days post-breeding.	3-10 days
Cryptorchid Panel, Equine[†]	EQCRYPTO	● RTT 2 ml serum, separated and frozen 	Testosterone, Equine Anti-Mullerian Hormone male horses only (no donkeys)	7-10 days
Gastrin[†]	GASTRIN	● RTT 1 mL serum, separated and frozen 	Freeze sample. Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	3-12 days
Reproductive Hormone Panel[†]	RHP	●● LTT, RTT (no SST) 2 mL serum or plasma (no SST)	Estrogen, Progesterone, Testosterone	5-10 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Aldosterone Baseline†	ALDOS	<ul style="list-style-type: none"> ● ● LTT or SST, RTT 0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood. ❄ 	Centrifuge EDTA sample immediately and separate EDTA plasma within 30 minutes of collection. Transfer to sterile, no additive tube and label tube EDTA plasma. Freeze sample and ship on ice.	7-10 days
Insulin:Glucose Ratio, Equine	EQINSGLU	<ul style="list-style-type: none"> ● ● RTT OR GRYTT 1 mL serum OR 1 ml serum AND 1 mL GRYTT whole blood 📄 	If serum cannot be separated within 1 hr, obtain RTT serum (required for insulin measurement) and GRYTT whole blood for accurate glucose measurement.	1-4 days
Estrogens, Total†	EQEST	<ul style="list-style-type: none"> ● ● LTT, RTT (no SST) 2 mL serum or plasma 		3-5 days
Testosterone, Baseline†	TESTOS	<ul style="list-style-type: none"> ● RTT 1 mL serum 📄 		2-9 days
Oral Sugar Test (Insulin Testing), Equine†	EQGLUCOSE	<ul style="list-style-type: none"> ● RTT 1 mL serum. 📄 		3-5 days
Insulin, Equine	5104	<ul style="list-style-type: none"> ● RTT 0.5 mL serum 📄 		1-4 days
Testosterone Post-HCG/GnRH†	TESTPOST	<ul style="list-style-type: none"> ● ● RTT, LTT 1 mL serum 📄 		3-8 days
Metanephrines, Plasma-free†	METAPLAS	<ul style="list-style-type: none"> ● ● LTT or GRNTT 1-2 mL EDTA or heparinized plasma, separated and frozen ❄ 	Centrifuge and separate plasma within 1 hr of collection. Freeze immediately. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days

Endocrinology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Metanephrines, Urine Fractionated†	METAUR	<ul style="list-style-type: none"> ● YTT 2.5-4 mL urine in YTT/sterile container 	Freeze immediately. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days
Parathyroid Hormone-Related Protein (PTHrP)†	PTHRP	<ul style="list-style-type: none"> ● LTT 1 mL EDTA plasma, separated and frozen 	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	5-7 days
Vitamin D Profile†	VITP	<ul style="list-style-type: none"> ● RTT 1.5 mL serum, separated and frozen 	PTH, Free (Ionized) Calcium, and 25-hydroxyvitamin D Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service can assist with frozen package pickup.	3-9 days

GI/Pancreatic

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Amylase (Mich. State Univ.)†	1004	<ul style="list-style-type: none"> ● ● SST, RTT 0.5 mL serum 		2-3 days
Fecal Occult Blood	7255	<ul style="list-style-type: none"> ● Feces 1-3 gm fresh feces		1-2 days

Fecal/Parasitology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Ova and Parasite (Centrifugal Fecal Flotation) Test	2320A	● Feces 3-5g fresh feces 		Next day by 5 PM (1-2 days for equine samples)
McMaster (Fecal Egg Counting) Test	2328	● Feces 5 gm fresh feces 	Quantitative fecal egg count	1-2 days
Centrifugal Fecal Flotation Test (O&P) & McMaster (Fecal Egg Counting) Test	25000487	● Feces 8-10 gm fresh feces 		1-2 days
Baermann Test (Lungworm)	BAER	● Feces 10 gm fresh feces 		3-5 days
Gross Parasite Identification	25001435	Whole parasite (adult worm, larvae, ectoparasite, etc.) in sealed, leakproof container		1-5 days

Microbiology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Equine Uterine Culture	7154	Culture swab	This offering is intended for breeding soundness exams. For active infections, choose aerobic or anaerobic culture as indicated.	2-5 days
Aerobic Culture	7156	Culture swab or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-5 days
Anaerobic Culture	7157	Anaerobic tube or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Aerobic and Anaerobic Culture	7135	Culture swag and anaerobic tube or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Mycoplasma Culture[†]	MYCOPLASCU	Culture swab, fluid or tissue in WTT/sterile container.	Refrigerate fluid or tissue submissions and ship on ice packs.	Up to 21 days
Urine Culture and Sensitivity	7140	● YTT 1 mL urine in YTT or sterile container 		1-5 days
Hold Urine Culture for 48 hours	25000534		Bacterial culture will be held for an additional 24 hours (48 hours total). This test is intended for use in working up complicated/chronic urinary tract infections and must be ordered at the time the urine culture is initially requested.	2 days

Microbiology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Blood Culture	7150	Two blood culture bottles, each inoculated with 3 mL of blood 	Submit two blood samples, drawn at least one hour apart and from different, disinfected venipuncture sites. Store at room temperature. DO NOT REFRIGERATE.	3-9 days
Dermatophyte Culture	7160	WTT/sterile tube Plucked hair, nail clippings, skin scrapings or brushings 		12 days for final report
Fecal Culture	7155	● Feces 2 g fresh feces 		2-7 days
Fungal Culture	7145	Culture swab or fluid/tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	Up to 26 days for final report
Mycobacterium Culture†	MYCO	As indicated: tissue aspirate, lymph node, skin biopsy, or other tissue sample in sterile, leakproof container. 	Refrigerate fluid or tissue submissions and ship on ice packs. Culture for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> no longer included in this offering. PCR is recommended to identify <i>M. avium</i> .	60 days
Acid-Fast Stain	ACIDFAST	Culture swab or fluid/ tissue in WTT/sterile container		1-4 days
Fungal Susceptibility 1 Drug†	FUNGALSUS1		Add on fungal susceptibility testing for one antifungal drug.	1-2 weeks
Fungal Susceptibility 2 Drugs†	FUNGALSUS2		Add on fungal susceptibility testing for two antifungal drugs.	1-2 weeks



See the complete Directory of Services online at zoetisreflabs.com/DOS

Microbiology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Fungal Susceptibility 3 Drugs†	FUNGALSUS3		Add on fungal susceptibility testing for three antifungal drugs.	1-2 weeks
Skin Culture and Sensitivity (Dermatology)	25001434	Culture swab or fluid/tissue 	Culture and AMS designed for skin lesions, including ear infections. Refrigerate fluid or tissue submissions and ship on ice packs.	2-5 days

Serology/Infectious Diseases

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Coggins AGID, Paper Submission	COGAGID	● ● SST, RTT 1 mL serum 	Completed USDA paper forms required for this submission. Submit a dedicated serum sample; aliquots from other test samples are not permitted.	2-5 days
Coggins ELISA, Paper Submission	COGELISA	● ● SST, RTT 1 mL serum 	Completed USDA paper forms required for this submission. Submit a dedicated serum sample; aliquots from other test samples are not permitted.	1-4 days
Coggins AGID, Electronic Submission	E1560	● ● SST, RTT 1 mL serum 	Completed USDA electronic forms required for this submission. Submit a dedicated serum sample; aliquots from other test samples are not permitted.	2-5 days
Coggins ELISA, Electronic Submission	E1561	● ● SST, RTT 1 mL serum 	Completed USDA electronic forms required for this submission. Submit a dedicated serum sample; aliquots from other test samples are not permitted.	1-4 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Aspergillus Titer AGID [†]	ASP	<ul style="list-style-type: none"> ○ SST or RTT 1 mL serum  	IgG	3-5 days
Blastomyces Quantitative Antigen EIA [†]	BLASTANT	<ul style="list-style-type: none"> ○ ● ● ○ SST, RTT, LTT or WTT 0.5 mL of urine, serum or plasma (separated), 0.8 mL CSF in sterile no-additive tube (WTT), or 1.2 mL BAL fluid in sterile no-additive tube (WTT)  		2-5 days
Coccidioides Titer AGID [†]	6129	<ul style="list-style-type: none"> ○ ● SST or RTT 1 mL serum  	IgG, IgM assessed via AGID. Titer provided for IgG if positive.	5-7 days
Equine Viral Arteritis (EVA) [†]	EVA	<ul style="list-style-type: none"> ○ ● SST, RTT 1 mL serum  		5-9 days
Leptospira MAT, 5 Serovar [†]	6164	<ul style="list-style-type: none"> ● RTT 0.5 mL serum  	Detection of antibodies to <i>Leptospira interrogans</i> serovars <i>pomona</i> , <i>hardjo</i> , <i>icterohaemorrhagiae/copenhageni</i> , <i>grippityphosa</i> , and <i>canicola</i>	Up to 10 days
Leptospira MAT, 5 Serovar & PCR [†]	6163	<ul style="list-style-type: none"> ● ● RTT, LTT For MAT: 0.5 mL serum in RTT; For PCR: 5 mL Urine; OR 1 mL EDTA whole blood (LTT); OR 1 gm tissue (e.g., kidney and/or liver); OR 1 mL aqueous humor; OR 0.5 mL CSF  	Detection of antibodies to <i>Leptospira interrogans</i> serovars <i>pomona</i> , <i>hardjo</i> , <i>icterohaemorrhagiae/copenhageni</i> , <i>grippityphosa</i> , and <i>canicola</i>	Up to 10 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Sarcocystis neurona by Western Blot†	SNEURONA	●● SST, RTT 1 mL serum or 1 mL CSF (RTT) 		5-7 days
Aspergillus Galactomannan Antigen EIA†	ASPGUR	●●●○ SST, RTT, LTT or WTT As indicated: 0.8 mL of serum or EDTA plasma (separated), CSF, urine, or BAL fluid in sterile no-additive tube (WTT). 		2-5 days
Cryptococcus Antigen Titer by Latex Agglutination	7216	●● SST, RTT 0.5 mL serum or CSF 		1-2 days
Equine Protozoal Myelitis IFA Titers (SarcoFluor™ & NeoFluor™)†	EPMIFAT	● RTT 2 mL separated serum OR 2 mL CSF 	SarcoFluor detects <i>Sarcocystis neurona</i> antibodies; NeoFluor detects <i>Neospora hughesi</i> antibodies.	7-12 days
Histoplasma Quantitative Antigen EIA†	HISTOANT	●●●● SST, RTT, LTT or YTT As indicated: 0.5 mL of urine, serum or plasma (separated), 0.8 mL CSF in sterile no-additive tube (WTT), or 1.2 mL BAL fluid in sterile no-additive tube (WTT). 		2-5 days
Lyme Multiplex Test, Equine†	LYMEMPLXEQ	● RTT 2 mL serum; 1 mL CSF 		5-7 days

Serology/Infectious Diseases (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Pythium Serology†	OOPYTHIUM	● RTT 1 mL serum 		3-5 days
Streptococcus equi ELISA†	STREPEQUI	● RTT 1 mL serum 		5-7 days
Equine Protozoal Myelitis IFA Titer (SarcoFluor™)†	SARCOIFAT	● RTT 2 mL separated serum OR 2 mL CSF 	SarcoFluor detects <i>Sarcocystis neurona</i> antibodies.	7-12 days
West Nile Virus IgM ELISA†	WESTNILE	●● SST, RTT 2 mL serum 	Required information for submission: patient location (town/state), sample collection date, animal ID, species, and reason for submission (e.g. suspicious of clinical disease v. screening for disease).	3-5 days
Caseous Lymphadenitis (Corynebacterium pseudotuberculosis) Titer†	CALYMTRR	●● SST, RTT 2 mL serum 		3-5 days
Equine Protozoal Myelitis IFA Titer (NeoFluor™)†	NEOIFAT	● RTT 2 mL separated serum OR 2 mL CSF 	NeoFluor detects <i>Neospora hughesi</i> antibodies.	7-12 days
Potomac Horse Fever (Neorickettsia risticii) IFA†	POTOMAC	○ SST 1 mL serum 	IgG	5-7 days
Rhodococcus equi ELISA†	RHODOCOCCUS	●● SST, RTT 1 mL serum 		3-5 days

Clinical Pharmacology/Toxicology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Drug Screen, Firocoxib†	DGSCRFIRO	<p>● ● ● SST, RTT, LTT 10 mL serum or EDTA plasma</p> 		2-4 days
Drug Screen with Tranquilizers, NSAIDS†	DSNSAIDTQ	<p>● ● ● SST, RTT, LTT 10 mL serum or EDTA plasma</p> 	Multiple drugs tested, updated periodically. Call Customer Service at 1-888-965-9652 for more information.	7-10 days
Quantitative Copper (Blood or Tissue)†	6171	<p>● ● ● RTT, LTT or GRNTT As indicated: 2 mL serum, whole blood (EDTA or heparin), or 50 mg tissue (fresh, frozen, fixed or in paraffin block)</p>	For copper-associated liver disease, liver tissue MUST be submitted.	7-10 days
Selenium and Trace Elements Screen†	SELETREL	<p>● ● LTT, RBTT 2 mL serum (RBTT) AND 1 mL EDTA whole blood (LTT)</p> 	Se, Ca, Cu, Fe, Mg, Phos, Zn. This test requires both EDTA whole blood (selenium) and RBTT serum (trace minerals) to avoid zinc contamination. Separate and transfer serum to a new, labeled RBTT.	7-10 days
Zinc, Serum/Plasma†	ZINC	<p>● RBTT 2 mL RBTT EDTA plasma or RBTT serum, separated</p> 	Plasma or serum is required for this assay. Collect whole blood into an EDTA RBTT, separate and transfer EDTA plasma to a new, labeled RBTT to avoid zinc contamination. Follow a similar protocol for serum collection, but use a serum RBTT.	3-5 days
Anticoagulant (Rodenticide)†	ANTICOAG	<p>● LTT 3 mL EDTA whole blood</p> 	Includes brodifacoum, bromadiolone, chlorophacinone, difenacoum, difethialone, diphacinone, and warfarin	6-12 days

Clinical Pharmacology/Toxicology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Drug Screen, NSAIDs	DSNSAIDS	<p>●●● SST, RTT, LTT 10 mL serum or EDTA plasma</p> 	Multiple drugs tested, updated periodically. Call Customer Service at 1-888-965-9652 for more information.	2-4 days
Drugs of Abuse†	DOA	<p>●●● SST, RTT, YTT/sterile leakproof container As indicated: 10 mL serum or urine or 10 g liver or kidney</p>	Amphetamine, cocaine, benzoylecgonine, norcocaine, ephedrine, lysergic acid diethylamide, (LSD), methamphetamine, MDMA, nicotine, phentermine, psilocin, delta-9-THC, THC-OH, THC-COOH, methadone, morphine, HU-210, JWH-018	10-14 days
LC/Mass Spectrometry Toxicology Screen†	LCMS	<p>○ WTT or sterile, leakproof container As indicated: 20 mL fluid, 50 g tissue, 50 g feed OR 50 g source material</p> 	Toxicology screen for unknown exposure	2-3 weeks
Blood Lead†	6240	<p>●● LTT, GRNTT 0.5 mL EDTA or heparinized whole blood</p> 		5-7 days
Gabapentin†	GAB	<p>●● LTT, RTT 0.5 mL EDTA plasma or serum, separated</p>	Do not ship serum on SST gel barrier. If SST used for collection, transfer serum to WTT.	3-5 days
Toxic Heavy Metal Panel†	25001395	<p>●● LTT, GRNTT As indicated: 8 mL EDTA or heparinized whole blood or 3 g tissue (liver or kidney)</p> 	Quantitative analysis of arsenic, cadmium, lead, thallium, mercury, selenium	6-12 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Pathology

Histopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Histopathology Simple, Single Site	ZN100	Formalin-fixed tissue Also accepted: fresh tissue, prepared histopathology slides	<ul style="list-style-type: none"> - Single site - No more than 10 cm in any dimension - Not for dermatologic disease or with other criteria of Complex Level 1 or 2 	3-7 days
Histopathology Simple, Multiple Sites (Up to 5 Sites)	ZN101	Formalin-fixed tissue Also accepted: fresh tissue, prepared histopathology slides	<ul style="list-style-type: none"> - Simple samples from up to 2-5 unique sites - No more than 10 cm in any dimension - Not for dermatologic disease or with other criteria of Complex Level 1 or 2 	3-7 days
Histopathology Complex, Level 1	ZN102	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> - Skin biopsies for dermatologic disease (without dermatologist consult) - Multiple gastrointestinal biopsies - Bone marrow - Whole organs/major components of organs: eye, spleen, testicles, uterus/ovaries, mammary chains (2 or more connected glands), amputated digit/nail or tail, liver lobe, or lung lobe - Large samples (>10cm in any dimension) - Individual teeth or other small samples containing bone - Simple samples from 6-15 unique sites - Formalin-fixed whole bodies <300 g 	3-9 days
Histopathology Complex, Level 2	ZN103	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> - Mandible, maxilla (all jaws, regardless of size) - Amputated limb - Other large/atypical samples containing bone - Multiple Complex Level 1 samples - Simple samples from >15 sites. 	Varies by nature of sample

Pathology (cont'd)

Specialty Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Dermatopathology Panel	ZN400	<ul style="list-style-type: none"> - Formalin-fixed skin biopsies - Detailed history and clinical images are required 	<ul style="list-style-type: none"> - Biopsy report by dermatopathologist - Addendum with case management guidance from boarded dermatologist - Images can be sent to: referencelabpathology@zoetis.com 	Dermatopathology: 3-7 days. Consult provided after dermatopathology.
Nephropathology (Renal) Panel	ZN25000541	<ul style="list-style-type: none"> - 1 or more 14G to 18G core needle biopsy, a wedge biopsy, or other larger renal sample (eg, nephrectomy) - Detailed history is required 	<ul style="list-style-type: none"> - Biopsy report by kidney specializing pathologist - H&E, PAS, trichrome, Jones methenamine silver stains (Congo Red also included, if indicated) - Images can be sent to: referencelabpathology@zoetis.com 	3-7 days

Pathology (cont'd)

Cytopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Cytopathology Simple/ Single Site	7120	<ul style="list-style-type: none"> LTT <p>As indicated: Unstained, air-dried slides; fluid from a mass in LTT</p> <ul style="list-style-type: none"> Slides Liquid 	For the following sample types: <ul style="list-style-type: none"> Single lesion/tissue (FNA, swab, impression smear) Single or multiple lymph nodes Single joint (slides only) Fluid from mass lesion (cytology only) 	1-2 days
Cytopathology Complex	7201	<ul style="list-style-type: none"> LTT <p>As indicated: Unstained, air-dried slides and/or fluid in LTT</p> <ul style="list-style-type: none"> Slides Liquid 	For the following sample types: <ul style="list-style-type: none"> Up to 7 lesions/tissue types (FNA, swab, impression smear) Multiple joints (slides only) Bone marrow BAL/TTW (1 mL minimum EDTA recommended) CSF (1 mL minimum recommended, aliquot as 0.5 mL LTT and 0.5 mL RTT) Liquid joint fluid for complete analysis (2 mL LTT minimum per joint recommended) Cavitary effusion(s) (2 mL LTT minimum per effusion) 	1-2 days

Clinical Immunology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Complete Amino Acid Profile†	COMPAA	● GRNTT 1 mL heparinized plasma, separated and frozen 		7-9 days
Allergy Panel, Equine†	6307	●● SST, RTT 3 mL serum		10-14 days
Protein Electrophoresis	6345	●●● SST, RTT, YTT/sterile, leakproof container 0.5 mL serum, >10 mL urine 		3-6 days
IgM, Equine	25000540	●● SST, RTT 2 mL serum 	Radial immunodiffusion (RID)	1-3 days. Preliminary reported at 4 hours after setup. Final results at 24 hours after setup.
IgG, Equine	FOALIGG	●● SST, RTT 2 mL serum 	Radial immunodiffusion (RID)	1-3 days. Preliminary reported at 4 hours after setup. Final results at 24 hours after setup.
IgG, Equine: Rapid, Semi-Quantitative	FOALIGGRAP	●●● SST, RTT, LTT 1 mL fresh whole blood or serum 	Semi-quantitative rapid test	1-2 days

Nutrition

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Selenium†	SELENIUM	<ul style="list-style-type: none"> ● ● LTT, RTT 0.5 mL EDTA whole blood preferred; 0.5 mL serum or EDTA plasma also accepted 		3-5 days
Trace Element Screen†	TMINPAN	<ul style="list-style-type: none"> ● RBTT 2 mL serum from RBTT 	Ca, Cu, Fe (unbound), Mg, Na, K, Phos, Zn Collect blood in an RBTT serum tube to avoid zinc contamination. Separate and transfer serum to a new RBTT tube.	5-7 days
Thiamine (Vitamin B1)†	THIAMINE	<ul style="list-style-type: none"> ● ● GRNTT, LTT 3 mL EDTA or heparinized whole blood 	Freeze immediately and protect from light. Ship on dry ice. Customer service can assist with frozen package pickup.	5-7 days
Vitamin E†	2331	<ul style="list-style-type: none"> ● ● ● ● SST, RTT, LTT, GRNTT 1.5 mL serum or heparinized or EDTA plasma, separated and protected from light  		3-5 days
Vitamin E and Mineral Panel†	VITEMINE	<ul style="list-style-type: none"> ● ● RBTT AND RTT 1 mL EDTA whole blood in RBTT, 1 mL serum in RBTT, separated, AND 1 mL serum in RTT (separated and protected from light)  	Vitamin E, Ca, Cu, Fe, Mg, Phos, Zn, Se Collect whole blood into an EDTA RBTT AND serum into an RBTT serum tube to avoid zinc contamination. Separate and transfer serum to a new RBTT tube. Collect additional serum in a RTT, separate and protect from light. LABEL the serum types (RTT v. RBTT).	8-10 days

Nutrition (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Vitamin A [†]	VITA	<p>● ● ● ● SST, RTT, LTT, GRNTT 1.5 mL serum or EDTA or heparinized plasma, separated</p> 		3-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Add-Ons

You can quickly and easily add any of the tests below to an existing order, provided sufficient sample remains at the lab and is within stability guidelines. If you order electronically, you can place add-on orders through your PIMS or the ZoetisDx portal. If you use paper requisition forms, call customer service at **1-888-965-9652**.

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Anaerobic ID Add-on	A7157	Anaerobic tube or fluid/ tissue 	Refrigerate fluid or tissue submissions and ship on ice packs.	2-7 days
Cortisol Add-on	A5101	● RTT 0.5 mL serum 		8 AM next day (1-2 days for feline/equine samples)
Free (Ionized) Calcium (Mich. State Univ.) Add-on†	A6304	● RTT 0.75 mL serum, separated 		3-6 days
Free T4 Add-on	A5103	● ● SST, RTT 0.5 mL serum 		8 AM next day
Reticulocyte Count Add-on	25000525	● LTT 0.5 mL EDTA whole blood 	Not available in equines.	8 AM next day
Total T4 Add-on	A5102	● ● SST, RTT 0.5 mL serum 		8 AM next day
Triglycerides Add-on	A1023	● ● SST, RTT 0.5 mL serum 		8 AM next day

Add-Ons (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Urine Protein:Creatinine Ratio Add-on	A1555	<ul style="list-style-type: none"> ● YTT 1 mL urine in YTT/sterile container 		8 AM next day
Urinalysis Add-on	25001700	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 		8 AM next day
Urinalysis with Reflex UPC Add-on	25001701	<ul style="list-style-type: none"> ● YTT 5 mL urine in YTT/sterile container 	Use this code when no urine testing was ordered at sample submission, but a urinalysis and reflex UPC is needed after the fact. A UPC will be performed automatically if the urine meets the required criteria.	



See the complete Directory of Services online at zoetisreflabs.com/DOS



Avian, Exotic & Small Mammal

Core Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Basic Mammal Panel†	25001452	<p>●●● LTT slides 0.1 mL EDTA whole blood, slides, 0.2 mL serum or plasma</p> 	CBC, Basic Mammal Chem Panel, EPH	4-5 days
Mini Mammal Panel†	25001461	<p>●● LTT, GRNTT, slides 0.1 mL EDTA whole blood, slides, 0.1 mL heparinized plasma</p> 	CBC, Electrophoresis	4-5 days
CBC Automated Count Manual Diff Mammal†	25001443	<p>● LTT, slides 0.1 mL EDTA whole blood, slides</p> 	Automated count and manual diff.	3-5 days
Well Bird Panel Package†	25001468	<p>●●● RTT, LTT, GRNTT, slides 0.1 mL EDTA whole blood, slides; 0.3 mL plasma or serum</p> 	CBC, Basic Avian Chem Panel, Bile acids, EPH	4-5 days
Mini Avian Panel †	25001459	<p>●● LTT, GRNTT 0.1 mL EDTA whole blood, slides, 0.1 mL heparinized plasma</p> 	CBC, Electrophoresis	4-5 days
Advanced Reptile Panel†	25001448	<p>●● RTT, GRNTT, slides 0.1 mL heparinized whole blood, slides, 0.3 mL plasma or serum</p> 	CBC, Advanced Reptile Chem Panel, EPH	4-5 days

Hematology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Fibrinogen Heat Precipitation Method†	25001457	<ul style="list-style-type: none"> ● LTT 0.1 mL EDTA whole blood 		3-5 days
Mini Elasmobranch Panel†	25001460	<ul style="list-style-type: none"> ● GRNTT, 2 slides 0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma 	CBC, Electrophoresis	4-5 days
Elasmobranch CBC and Diff†	25001455	<ul style="list-style-type: none"> ● GRNTT, slides 0.1 mL heparinized whole blood, slides 		3-5 days
Basic Reptile Panel†	25001454	<ul style="list-style-type: none"> ● ● RTT, GRNTT, slides 0.1 mL heparinized whole blood, slides, 0.25 mL serum or plasma 	CBC, Basic Reptile Chem Panel, EPH	4-5 days
Mini Reptile Panel†	25001462	<ul style="list-style-type: none"> ● GRNTT, 2 slides 0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma 		4-5 days
Reptile CBC and Diff†	25001447	<ul style="list-style-type: none"> ● GRNTT, slides 0.1 mL heparinized whole blood, slides 	By gold standard hemocytometer/Natt & Herrick's method	3-5 days
CBC Hemocytometer Cnt Man Diff Reptile†	25001444	<ul style="list-style-type: none"> ● GRNTT, slides 0.1 mL heparinized whole blood, slides 	Automated count and manual diff.	3-5 days

Hematology (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Mini Teleost Panel†	25001463	<ul style="list-style-type: none"> GRNTT, 2 slides 0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma 	CBC, Electrophoresis	4-5 days
Teleost CBC and Diff†	25001465	<ul style="list-style-type: none"> GRNTT, slides 0.1 mL heparinized whole blood, slides 		3-5 days

Chemistry

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Lipoprotein Chemistry Panel†	25001458	<ul style="list-style-type: none"> GRNTT 0.1 mL heparinized plasma 		4-5 days
Adv Avian Chem Panel†	25001437	<ul style="list-style-type: none"> GRNTT 0.3 mL heparinized plasma 	Amylase, AST, BUN, Creat, Ca, Chol, Cl, CO ₂ , CPK, GGT, Glu, Lipase, Mg, Phos, Potassium, Sodium, TP, Trig, Uric Acid, GLDH	4-5 days
Basic Avian Chemistry Panel†	25001450	<ul style="list-style-type: none"> GRNTT 0.2 mL heparinized plasma 	AST, Ca, Glu, TP, Uric Acid, CPK, Phos	4-5 days

Chemistry (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Adv Mammal Chem Panel†	25001438	● RTT, GRNTT 0.3 mL serum or heparinized plasma 	ALT, AlkPhos, BUN, Crea, Glu, Ca, Na, Phos, Potassium, Cl, Mg, TP, Alb, AST, Amylase, CPK, TBili, GGT	4-5 days
Basic Mammal Chemistry Panel†	25001451	● RTT, GRNTT 0.2 mL serum or heparinized plasma 	ALT, BUN, Crea, Glu, Phos, Ca, TP	4-5 days
Adv Reptile Chem Panel†	25001439	● GRNTT 0.3 mL heparinized plasma 	AlkPhos, Amy, Anion Gap, AST, BUN, CPK, Ca, Chol, Cl, CO2, GGT, Glu, K, Lipa, Mg, Na, Osmolality, Phos, TP, Trig, Uric Acid, GLDH	4-5 days
Basic Reptile Chemistry Panel†	25001453	● GRNTT 0.25 mL heparinized plasma 	AlkPhos, AST, CPK, Ca, Cl, GGT, Glu, K, Na, Phos, TP, Trig, Uric Acid	4-5 days
Bile Acids †	25001442	● GRNTT 0.1 mL heparinized plasma 		3-5 days
Elasmobranch Chemistry Panel†	25001456	● GRNTT 0.3 mL heparinized plasma 	Anion gap, AST, BUN, Ca, Chol, Cl, CO2, CPK, GGT, Glu, K, Mg, Na, Osmolality, Phos, TP, Trig, Uric Acid	4-5 days
Teleost Chemistry Panel†	25001466	● GRNTT 0.3 mL heparinized plasma 	Anion gap, AST, BUN, Ca, Chol, Cl, CO2, CPK, GGT, Glu, K, Mg, Na, Osmolality, Phos, TP, Trig, Uric Acid	3-5 days

Endocrinology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
T4, Total (Mammals Only)†	25001464	<ul style="list-style-type: none"> ● GRNTT 0.1 mL heparinized plasma  		3-5 days

Microbiology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Sex Determination (Psittacine)†	25001539	<ul style="list-style-type: none"> ● GRNTT 0.1 mL whole heparinized whole blood 		7-10 days

Serology/Infectious Diseases

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Aspergillus Panel PLUS †	25001440	<ul style="list-style-type: none"> ● GRNTT 0.3 mL heparinized plasma  	Antibody (both assays), EPH + Galactomannan, Gliotoxin	3-5 days
Aspergillus Panel – PenguinPLUS †	25001449	<ul style="list-style-type: none"> ● GRNTT 0.3 mL heparinized plasma  	Hydroxybutyrate, EPH, Gliotoxin	4-5 days

Clinical Immunology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT
Protein Electrophoresis (EPH) †	25001446	● GRNTT 0.1 mL heparinized plasma 		3-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS



PCR

Tests

Name	Test Code	Sample Requirements	Components / Notes	TAT
Adult Equine Diarrhea PCR Panel†	25001469	● Feces Minimum 2 g feces in a clean leakproof container	<i>Salmonella</i> spp, <i>Clostridium difficile</i> enterotoxin A, <i>Clostridium difficile</i> cytotoxin B, <i>Clostridium perfringens</i> type A, <i>Clostridium perfringens</i> type C, Equine coronavirus	5-7 days
Anaplasma/Ehrlichia PCR†	25001470	● LTT EDTA whole blood (minimum 0.5 mL)	All species of <i>Anaplasma</i> and <i>Ehrlichia</i>	3-5 days
Anemia PCR Panel, Canine†	25001471	● LTT EDTA whole blood (minimum 0.5 mL)	<i>Anaplasma/Ehrlichia</i> combo, <i>Babesia</i> spp, <i>Hepatozoon</i> spp, <i>Leptospira</i> spp, <i>Rickettsia</i> spp <i>Mycoplasma haemocanis</i> , <i>Mycoplasma haemoparvum</i>	5-7 days
Anemia PCR Panel, Feline†	25001472	● LTT EDTA whole blood (minimum 0.5 mL)	<i>Anaplasma</i> , <i>Bartonella</i> , <i>Cytauxzoon felis</i> , <i>Ehrlichia</i> , feline hemotropic <i>Mycoplasma</i> , FeLV, FIV	5-7 days
Babesia spp (genus) PCR†	25001473	● LTT EDTA whole blood (minimum 0.5 mL)		3-5 days
Bartonella spp (genus) PCR†	25001474	● LTT EDTA whole blood (minimum 0.5 mL), synovial fluid (minimum 0.25 mL)		3-5 days
Blood Bank Disease PCR Panel, Canine†	25001475	● LTT EDTA whole blood (minimum 0.5 mL)	<i>Anaplasma/Ehrlichia</i> combo, <i>Babesia</i> spp, <i>Hepatozoon</i> spp, <i>Rickettsia</i> spp, <i>Bartonella</i> spp, <i>Leishmania</i> spp, <i>Borrelia burgdorferi</i> , <i>Mycoplasma haemocanis</i> , <i>Mycoplasma haemoparvum</i>	5-7 days
Bordetella bronchiseptica PCR†	25001476	○ WTT Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Borrelia burgdorferi (Lyme) PCR†	25001477	<ul style="list-style-type: none"> LTT EDTA whole blood (minimum 0.5 mL), synovial fluid (minimum 0.25 mL)		3-5 days
Brucella spp (genus) PCR†	25001478	<ul style="list-style-type: none"> WTT, LTT, YTT Fresh affected tissue, body fluids, swabs, EDTA whole blood (0.5 mL minimum), urine		3-5 days
Campylobacteri coli PCR†	25001480	<ul style="list-style-type: none"> Feces 1 g feces, fecal swab (two required) or GI tissue	Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Campylobacteri jejuni PCR†	25001479	<ul style="list-style-type: none"> Feces 1 g feces, fecal swab (two required) or GI tissue.	Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Canine Adenovirus PCR†	25001481	<ul style="list-style-type: none"> WTT, Culture swab Nasopharyngeal or conjunctival swab, transtracheal wash, feces, fresh affected tissue		3-5 days
Canine Puppy Diarrhea PCR w O&P, Giardia	25001623	<ul style="list-style-type: none"> Feces O&P: 3-5g fresh feces Giardia: 3g fresh feces Diarrhea Panel: 1 g feces, fecal swab (two required) or GI tissue.	Diarrhea Panel: Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	O&P & Giardia: Next day by 5 PM Diarrhea Panel: 5-7 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Adult Canine Diarrhea PCR Panel†	25001618	Sterile leakproof container PREFERRED: Submit at least 1 g feces in a clean leak-proof container. Accepted: Fecal swab, please submit two.	<i>Campylobacter jejuni/coli</i> , <i>Salmonella spp.</i> , <i>Lawsonia intracellularis</i> , <i>Clostridium difficile</i> enterotoxin A, <i>Clostridium difficile</i> cytotoxin B, <i>Clostridium perfringens</i> enterotoxin, <i>Giardia intestinalis</i>	5-7 days
Canine Distemper Virus (CDV) PCR†	25001482	● LTT, Culture swab 0.5 mL EDTA whole blood (preferred), fresh tissue, CSF, nasopharyngeal swab, bronchoalveolar lavage or transtracheal wash		3-5 days
Canine Herpesvirus 1 (CHV-1) PCR†	25001483	Culture swab Fresh affected tissue (e.g. liver), nasopharyngeal or corneal swab		3-5 days
DNA Sequencing/ Identification	25001497			
Canine Influenza PCR†	25001484	Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	Influenza A subtypes	3-5 days
Canine Mycoplasma PCR†	25001485	Culture swab Nasopharyngeal swabs, nasal swab, transtracheal wash, bronchiolar lavage, respiratory tissue	<i>Mycoplasma canis</i> and <i>Mycoplasma cynos</i>	3-5 days
Canine Neurological Disease, Central Nervous System PCR Panel†	25001486	○ WTT/Sterile Container CSF- 500uL minimum or fresh tissue	<i>Toxoplasma gondii</i> , <i>Cryptococcus neoformans</i> , <i>Neospora caninum</i> , <i>Borrelia burgdorferi</i> (Lyme disease), Canine distemper virus (CDV)	3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Canine Parvovirus (CPV) PCR†	25001487	● Feces 1 g feces, whole blood EDTA, fecal swab (two required) or GI tissue	Detects all CPV-2 subtypes. Additional testing is available to distinguish subtypes. Please call the laboratory for more information on CPV subtyping. This PCR is available as an individual test or as part of the Canine Diarrhea Panel. For parvovirus testing on cats, please see Feline panleukopenia PCR. Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Canine Puppy Diarrhea PCR Panel†	25001488	● Feces 1 g feces, fecal swab (two required) or GI tissue	<i>Campylobacter jejuni/coli</i> , <i>Salmonella</i> spp, <i>Lawsonia intracellularis</i> , <i>Clostridium difficile</i> toxins A & B, <i>Clostridium perfringens</i> enterotoxin, <i>Giardia intestinalis</i> , Rotavirus, <i>Cryptosporidium</i> spp, Canine parvovirus, and coronavirus Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	5-7 days
Canine Reproductive/ Abortion PCR Panel†	25001489	Placenta, fetal tissue in a sterile, leakproof container 	<i>Brucella</i> spp, <i>Neospora caninum</i> , <i>Toxoplasma gondii</i> , Canine herpesvirus, <i>Leptospira</i> spp, <i>Mycoplasma</i> spp, <i>Ureaplasma</i> spp	5-7 days
Canine Respiratory PCR Panel†	25001490	Culture swab Affected tissue, deep nasal swab, needle aspirates, bronchoalveolar lavage	<i>Bordetella bronchiseptica</i> , <i>Mycoplasma canis</i> , <i>Mycoplasma cynos</i> , Canine adenovirus, Influenza A (all subtypes), Canine distemper virus, coronavirus, Canine parainfluenza virus, <i>Streptococcus zooepidemicus</i>	5-7 days
Chlamydia spp (genus) PCR†	25001491	For CATS: corneal scraping, eye/corneal swab. For AVIAN species: choanal/cloacal swab. For CATTLE: vaginal scraping		3-5 days
Chlamydomphila felis PCR†	25001492	Culture swab Corneal scraping, corneal or conjunctival swab, fresh affected tissue		3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Comprehensive (PCR and Serology) Vector Panel, Canine†	K9FCOMP	<ul style="list-style-type: none"> ● ● RTT, LTT 2 mL serum in RTT AND 2 mL whole blood in LTT 	<i>Babesia canis</i> , <i>B gibsoni</i> , <i>E canis</i> , <i>R rickettsia</i> (RMSF), <i>Bartonella henselae</i> , <i>B vinsonii</i> , <i>B koehlerae</i> (by IFA); Lyme, <i>Anaplasma</i> , <i>Ehrlichia</i> , and heartworm (by rapid assay); PCR for <i>Babesia</i> , <i>Bartonella</i> , <i>Anaplasma</i> , <i>Ehrlichia</i> , <i>Rickettsia</i> , and hemotropic <i>Mycoplasma</i> organisms	10 days
Comprehensive (PCR and Serology) Vector Panel, Feline†	FELVECTPNL	<ul style="list-style-type: none"> ● ● RTT, LTT 2 mL serum AND 2 mL EDTA whole blood 	<i>Bartonella henselae</i> , <i>B vinsonii</i> , <i>B koehlerae</i> (by IFA); <i>Borrelia</i> (Lyme), <i>Anaplasma</i> , <i>Ehrlichia</i> , and heartworm (by rapid assay); PCR for <i>Babesia</i> , <i>Bartonella</i> , <i>Cytauxzoon</i> , <i>Anaplasma</i> , <i>Ehrlichia</i> , <i>Rickettsia</i> , and hemotropic <i>Mycoplasma</i> organisms	7-10 days
Coronavirus – Pan/Consensus PCR†	25001493	<ul style="list-style-type: none"> ● ● Feces, LTT Feces, fecal swab, GI tissue, effusion, EDTA whole blood (0.5 mL minimum), or airway specimens	Universal coronavirus detection	3-5 days
Cryptococcus neoformans PCR†	25001494	Culture swab Swab of affected tissue, needle aspirates, airway wash fluid, effusion, or CSF	Swabs of affected tissue, deep nasal passages, or needle aspirates applied to swabs should be submitted in a sterile, no additive tube.	3-5 days
Cryptosporidium spp (genus) PCR†	25001495	<ul style="list-style-type: none"> ● Feces 1 g feces, fecal swab (two required) or GI tissue.	Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Cytauxzoon felis PCR †	25001496	<ul style="list-style-type: none"> ● LTT EDTA whole blood (minimum 0.5 mL)		3-5 days
Ehrlichia spp (genus) PCR†	25001498	<ul style="list-style-type: none"> ● LTT EDTA whole blood (minimum 0.5 mL), spleen		3-5 days
Encephalitozoon cuniculi PCR†	25001499	<ul style="list-style-type: none"> ● ● RTT, YTT As indicated: kidney (fresh or frozen) or phacoemulsified lens material in sterile, no- additive container or urine in YTT/sterile, leakproof container		3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Equine Abortion/ Reproduction PCR Panel†	25001500	● RTT, Culture swab Preputial wash, vaginal swab, vaginal wash, vaginal tissue, fetal tissue, abomasum, placenta	<i>Bartonella</i> spp, <i>Candida albicans</i> , Equine arteritis virus, EHV1, EHV4, <i>Leptospira</i> spp, <i>Salmonella enterica</i> , <i>Streptococcus equi</i> subsp <i>zooepidemicus</i>	5-7 days
Equine Foal Diarrhea PCR Panel†	25001501	● Feces Feces, GI tissue. Minimum 2 g feces in a clean leakproof container	<i>Salmonella</i> spp, <i>Clostridium difficile</i> enterotoxin A, <i>Clostridium difficile</i> cytotoxin B, <i>Clostridium perfringens</i> type A, <i>Clostridium perfringens</i> Type C, rotavirus, coronavirus	5-7 days
Equine Herpes Virus type 1 PCR†	25001502	● LTT, Culture swab EDTA whole blood, nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days
Equine Herpes Virus type 4 PCR†	25001503	● LTT, Culture swab EDTA whole blood, nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days
Equine Influenza PCR†	25001504	Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	Influenza type A	3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Equine Respiratory PCR Panel II†	25001506	Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	EHV 1, EHV 4, Influenza Type A, <i>Streptococcus equi</i> subsp <i>equi</i> , Equine arteritis virus, Equine rhinitis virus A and B	5-7 days
Equine Tickborne Disease PCR Panel†	25001507	● LTT EDTA whole blood (minimum 0.5 mL), tissue	<i>Anaplasma</i> spp, <i>Ehrlichia</i> spp, <i>Borrelia burgdorferi</i> , <i>Rickettsia</i> spp, <i>Bartonella</i> spp, <i>Hepatozoon</i> spp, If Equine Piroplasmosis (<i>Babesia caballi</i> , <i>Theileria equi</i>) is suspected specimens must be submitted to USDA NVSL for testing.	5-7 days
Eubacteria Universal DNA – 16S rRNA PCR†	25001508	● RTT, Culture swab Affected tissue or body fluids, bacterial isolate	Universal Bacterial PCR	3-5 days
Feline Calicivirus PCR†	25001509	Culture swab Conjunctival swab, oropharyngeal swab, nasopharyngeal swab		3-5 days
Feline Coronavirus PCR†	25001510	● LTT 0.5 mL EDTA whole blood	Test for FIP diagnosis, pan-coronavirus PCR	3-5 days
Feline Diarrhea PCR Panel†	25001511	● Feces 1 g feces, fecal swab (two required) or GI tissue	<i>Campylobacter jejuni/ coli</i> , <i>Salmonella</i> spp, <i>Clostridium difficile</i> enterotoxin A, <i>Clostridium difficile</i> cytotoxin B, <i>Clostridium perfringens</i> enterotoxin, Feline parvovirus (Panleukopenia), <i>Trichostrongylus axei</i> , coronavirus Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	5-7 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Feline Diarrhea PCR[†] with O&P, Giardia	25001626	<ul style="list-style-type: none"> ● Feces O&P: 3-5g fresh feces <i>Giardia</i>: 3g fresh feces Diarrhea Panel: 1 g feces, fecal swab (two required) or GI tissue 	Feline PCR Diarrhea Panel, Ova and Parasite, and <i>Giardia</i> antigen ELISA Diarrhea Panel: Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	O&P & <i>Giardia</i> : Next day by 5 PM Diarrhea Panel: 5-7 days
Feline Hemotropic (blood) Mycoplasma PCR[†]	25001512	<ul style="list-style-type: none"> ● LTT EDTA whole blood (minimum 0.5 mL), spleen 	<i>Mycoplasma haemofelis</i> and <i>Mycoplasma haemominutum</i>	3-5 days
Feline Herpes and Chlamydia felis PCR Combo[†]	25001513	Culture swab Corneal or conjunctival scraping, conjunctival swab, oronasal swab		3-5 days
Feline Herpesvirus PCR[†]	25001514	Culture swab Corneal scraping, oropharyngeal, nasopharyngeal, or conjunctival swab		3-5 days
Feline Immunodeficiency Virus FIV PCR[†]	25001515	<ul style="list-style-type: none"> ● LTT 0.5 mL EDTA whole blood or bone marrow 		3-5 days
Feline Leukemia Virus (FeLV) PCR[†]	25001516	<ul style="list-style-type: none"> ● LTT 0.5 mL EDTA whole blood or bone marrow 		3-5 days
Feline Neurological Disease PCR Panel[†]	25001517	CSF (0.5 mL minimum) or fresh tissue	<i>Toxoplasma gondii</i> , <i>Cryptococcus neoformans</i> , Feline infectious peritonitis virus (FIP), Feline panleukopenia virus (FPV), Feline immunodeficiency virus (FIV)	3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Feline Ocular PCR Panel†	25001518	Culture swab Corneal or conjunctival scraping, conjunctival swab, oronasal swab	Feline herpesvirus, <i>Chlamydophila felis</i> , Feline calicivirus	5-7 days
Feline Panleukopenia (Parvovirus) PCR†	25001519	●● LTT, Feces As indicated: Fecal swab, feces or GI tissue in sterile, leakproof container, or 0.5 mL EDTA whole blood		3-5 days
Feline Respiratory PCR Panel 1†	25001520	As indicated: nasal swab, oropharyngeal swab, airway wash fluid or fresh respiratory tissue in a sterile, leakproof container.	Feline herpesvirus, <i>Chlamydophila felis</i> , <i>Bordetella bronchiseptica</i> , <i>Mycoplasma</i> spp, Influenza A, Feline calicivirus	5-7 days
Fever of Unknown Origin PCR Panel, Canine†	25001521	●● RTT, LTT EDTA whole blood (minimum 0.5 mL), affected tissues	<i>Anaplasma/Ehrlichia</i> combo, <i>Babesia</i> spp, <i>Bartonella</i> spp, <i>Brucella</i> spp, <i>Hepatozoon</i> spp, <i>Leptospira</i> spp, <i>Neospora caninum</i> , <i>Rickettsia</i> spp, <i>Toxoplasma gondii</i> , <i>Trypanosoma cruzi</i> , <i>Leishmania</i> spp	5-7 days
Fever of Unknown Origin PCR Panel, Feline†	25001522	●● LTT, Feces, AND oral/nasal/ocular swab 0.5 mL EDTA whole blood, oral/nasal/ocular swab AND fecal swab or feces in sterile, leakproof container	<i>Anaplasma/Ehrlichia</i> combo, <i>Bartonella</i> spp, <i>Cryptococcus neoformans</i> , <i>Cytauxzoon felis</i> , Feline calicivirus, Feline pan-coronavirus, <i>Mycoplasma haemofelis</i> , <i>Mycoplasma haemominutum</i> , Feline panleukopenia virus, FeLV, FIV, <i>Salmonella enterica</i> , <i>Toxoplasma gondii</i>	4-7 days
Francisella tularensis (Tularemia) PCR†	25001523	● LTT Fresh tissue (liver, spleen, lymph node), EDTA whole blood (0.5 mL minimum), respiratory secretions		3-5 days
Fungal Sequencing and PCR on Tissue Block†	FUNGSEQPCR	One paraffin block and two unstained slides		21 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Giardia intestinalis PCR†	25001524	● Feces 1 g feces, fecal swab (two required) or GI tissue	Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Helicobacter spp (genus) PCR†	25001525	● Feces 1 g feces, fecal swab (two required) or GI tissue	Submit feces in a clean, leakproof container. Use sterile swab for fecal swab. Submit fecal swab or GI tissue in sterile, no additive tube.	3-5 days
Leishmania spp (genus) PCR†	25001526	● LTT Preferred samples include skin lesion, bone marrow, lymph node aspirates, conjunctival swabs, spleen (fresh tissue), and EDTA whole blood (0.5 mL minimum).		3-5 days
Leptospira MAT, 5 Serovar & PCR†	6163	● ● RTT, LTT For MAT 0.5 mL serum in RTT; For PCR: 3 mL Urine; OR 1 mL EDTA whole blood (LTT); OR 1 gm tissue (e.g., kidney and/or liver); OR 1 mL aqueous humor; OR 0.5 mL CSF	Detection of antibodies to <i>Leptospira interrogans</i> serovars <i>pomona</i> , <i>hardjo</i> , <i>icterohaemorrhagiae/copenhageni</i> , <i>grippityphosa</i> , and <i>canicola</i>	Up to 10 days
Leptospira spp (genus) PCR†	25001527	● ● LTT, YTT 0.5 mL EDTA whole blood and/or urine. As indicated: fresh kidney, liver, placenta or fetal tissue in a sterile, leakproof container. 	For increased diagnostic sensitivity please send both Blood and Urine. Whole blood is the recommended sample during week 1 of infection. Urine is recommended later in infection. Note: blood and urine cannot be pooled. Additional charges incurred if both urine and blood are submitted for analysis.	3-5 days
Listeria spp (genus) PCR†	25001528	Culture swab Brain (fresh), CNS swab, CSF (minimum 0.5 mL)		3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Mycobacterium spp (genus) PCR†	25001529	Culture swab Affected tissue preferred, body fluids, swabs, feces, bacterial isolate		3-5 days
Mycoplasma spp (genus) PCR†	25001530	● LTT, Culture swab Affected tissue, body fluids, or swabs from affected sites		3-5 days
Neospora caninum PCR†	25001531	● ● LTT, Feces As indicated: 0.5 mL EDTA whole blood, 0.5 mL CSF, or feces or fresh tissue (brain, fetus) in a sterile, leakproof container		3-5 days
Nocardia spp (genus) PCR†	25001532	Culture swab Fresh tissue, swabs from affected sites		3-5 days
Pan-Fungal PCR†	25001533	Culture swab Affected fresh tissue, fluids, swab	Detects presence of fungal or yeast organism but does not speciate. Further identification is achieved through Sanger sequencing of the PCR amplicon.	3-5 days
PCR Formalin-Fixed Paraffin Embed Tissue†	25001534	Formalin fixed paraffin embedded tissue. Please submit 2-3 sliced scrolls in 1.5 mL micro-centrifuge tube.		3-5 days
Rhodococcus equi PCR†	25001535	● ● LTT, Feces, Culture swab Fresh tissue, nasal or oropharyngeal swab, transtracheal wash, bronchiolar lavage, feces, EDTA whole blood (minimum 0.5 mL)		3-5 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Rickettsia spp (genus) PCR†	25001536	<ul style="list-style-type: none"> LTT EDTA whole blood (minimum 0.5 mL), fresh tissue		3-5 days
Ringworm, PCR, Canine/Feline†	25001616	Sterile leakproof container Lesion biopsy, lesion swab, or plucked hairs that include roots and attached epithelial cells	<i>Microsporum canis</i> , <i>Trichophyton mentagrophytes</i> (<i>Dermatophytosis</i>)	3-5 days
Ringworm, PCR, Equine†	25001617	Sterile leakproof container Lesion biopsy, lesion swab, or plucked hairs that include roots and attached epithelial cells	<i>Trichophyton mentagrophytes</i> (<i>Dermatophytosis</i>)	3-5 days
Salmonella enterica PCR†	25001537	<ul style="list-style-type: none"> Feces Minimum 2 g feces in a clean leakproof container.		3-5 days
SARS-COV-2 PCR†	25001538	<ul style="list-style-type: none"> Feces, Culture swab Nasal swab (preferred), feces		3-5 days
Strep equi subsp. zooepidemicus PCR†	25001541	Culture swab Nasal swab, lung tissue, lymph node		3-5 days
Streptococcus equi subsp. equi PCR†	25001540	As indicated: Culture swab, nasal swab, or guttural pouch lavage fluid, lung tissue or lymph node in a sterile, leakproof container.		3-5 days
Tickborne Disease PCR Panel Non-equine†	25001542	<ul style="list-style-type: none"> LTT EDTA whole blood (minimum 0.5 mL), Fresh tissue	<i>Anaplasma</i> spp, <i>Ehrlichia</i> spp, <i>Borrelia burgdorferi</i> , <i>Rickettsia</i> spp, <i>Babesia</i> spp, <i>Bartonella</i> spp, <i>Hepatozoon</i> spp, <i>Theileria</i> spp	5-7 days

Tests (cont'd)

Name	Test Code	Sample Requirements	Components / Notes	TAT
Toxoplasma gondii PCR†	25001543	<ul style="list-style-type: none"> ● LTT, Feces Fresh tissue, urine, feces, EDTA whole blood (minimum 0.5 mL)		3-5 days
Tritrichomonas foetus PCR†	25001544	<ul style="list-style-type: none"> ● Feces, Culture swab Preputial wash, vaginal scraping, cat feces		3-5 days
Trueperella pyogenes PCR†	25001545	Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage (BAL), respiratory tissue, abscess, other affected tissues		3-5 days
Trypanosoma cruzi PCR†	25001546	<ul style="list-style-type: none"> ● LTT EDTA whole blood (minimum 0.5 mL)		3-5 days
Ureaplasma spp (genus) PCR†	25001547	Culture swab Reproductive tissue or swabs. Respiratory washes, tissue or swabs		3-5 days
Uveitis PCR Panel, Feline†	25001548	Culture swab Aqueous fluid, vitreous fluid, corneal scraping, conjunctival swab	<i>Toxoplasma gondii</i> , <i>Feline herpesvirus</i> , pan-coronavirus, <i>Cryptococcus neoformans</i> , <i>Bartonella</i> spp, FeLV, FIV	5-7 days
Yersinia enterocolitica PCR†	25001549	<ul style="list-style-type: none"> ● Feces Minimum 2 g feces or GI tissue in a clean leakproof container		3-5 days



See the complete Directory of Services online at zoetisreflabs.com/DOS

Policies

Policies

Species Policy

In order to maintain our high quality standards, we accept samples for core testing (hematology, chemistry, endocrinology, urinalysis) from only the following species: dogs, cats, horses and other domestic hoofstock (cattle, sheep, goats, pigs, llamas, alpacas), rabbits, and ferrets. Exotic species samples are accepted, but are generally analyzed at a third-party specialty laboratory.

For microbiology and parasitology testing, we accept samples from all species, except non-human primates.

For cytopathology, air-dried slides are accepted from all species. Liquid samples are accepted for all species except non-human primates.

For histopathology, formalin-fixed samples can be accepted from any species. Non-formalin fixed (fresh) whole bodies, heads, and spinal cords are not accepted from any species.

Fresh, non-fixed samples from non-human primates will not be accepted for any test. For these species, tissue for histopathology must be formalin-fixed and slides for cytopathology must be air-dried or alcohol-fixed.

Samples from species that fall outside of this policy will be returned to you or will be sent to a third party laboratory with associated charges applied.

Add-on Tests

We make it easy to add tests to samples you've already submitted. Simply call customer service at **1-888-965-9652**.

Or, if you order your tests electronically, you can add a test through ZoetisDx or via PIMS.

Sample Retention

After testing is completed, we retain biological specimens as follows:

Item	Retention time
Non-fixed biologic specimens (eg, blood, urine, feces)	1 week
EXCEPTION: citrated plasma in -20°C	2 weeks
Blood smears	3 months
Cytology slides	6 months
Histopathology specimens - wet tissues	1 month
Histopathology specimens - FFPE (formalin-fixed paraffin-embedded) tissues	Minimum 3 years
Histopathology slides	Minimum 3 years

You agree that Zoetis will own and may use for any purpose all data collected in connection with this transaction once such data has been either (i) rendered anonymous in such a way that Your identity is not or is no longer identifiable (“anonymized”) or (ii) changed, transformed, re-arranged or otherwise manipulated into a usable and desired form (“transformed”). Zoetis and its affiliates may use all collected data which has not been anonymized or transformed for internal business purposes, as described in Zoetis’ Privacy Policy available at zoetis.com/privacy-policy.

If applicable, you agree that you have the right to submit all specimens, animals, and/or biological materials, and photographs and/or documentation thereof (collectively “Specimens”) submitted to the applicable Zoetis Reference Lab (“ZRL”) location, and you transfer such right(s) to the Specimens to ZRL. Any test results, diagnoses, or other analyses produced by ZRL resulting from these submissions will become the property of Zoetis; provided, however, that ZRL shall not disclose such information in a manner that identifies you, unless specifically required by state or federal agencies. Specimens may be used for research, teaching and commercial purposes. Specimens will not be returned unless specific arrangements are made, at your expense, in advance of ZRL’s receipt.

Policies (cont'd)

Compromised/Suboptimal Samples

Samples that cannot be processed in a manner that upholds our quality standards may require additional attention or, in some cases, may be rejected. In the event that we receive such a sample, we will attempt to contact you. Examples of suboptimal samples include: lack of clear patient identifying information, damaged or leaking containers, inadequate volume for testing, incorrectly preserved samples, and contaminated samples.

Employee Pet Testing Program

We want to reward you for being a loyal customer of Zoetis Reference Laboratories. That's why we created our Employee Pet Testing Program.

Eligible customers can receive up to 10% of their monthly spend in free employee testing. For example, if a customer spends \$3,000 per month in Zoetis Reference Laboratories tests, they are eligible to receive \$300 in employee pet testing.

Any amount of Employee Pet testing sent in that exceeds 10% of their spend will be billed fully.

All existing customers who are eligible and meet the criteria will be automatically able to participate in this program. Any new Zoetis Reference Laboratories customers will be automatically enrolled in the program for 90 days.

Customers can indicate that a test is for a staff pet by checking a box on the printed PIMS form labeled "Employee Pet."

Who is eligible?

- Any new or existing customer who spends a minimum of \$2,000 per month with Zoetis Reference Laboratories. If a customer's monthly spend drops below \$2,000, they are dropped from the eligibility list the following month.
 - OptimizeDx customers are not eligible.
-

How to Make a Payment

To view invoices and statements or pay online, go to: www.zoetisus.com/billpay

For Zoetis Reference Laboratories billing questions, call **1-888-965-9652**.

Processing & Handling Fee Policy

At Zoetis, it is a priority to provide our valued customers with pricing transparency. A monthly \$55.00 fee will be applied to customer accounts spending \$500 or less per month with Zoetis Reference Laboratories.

If you have questions about this fee, please reach out to your Zoetis representative or contact customer service. You can also ask them for more information about programs that can help you avoid the monthly fee.

Zoetis Terms & Privacy

Zoetis values your trust and respects your privacy. The resources on this link will help you understand how we use your personal information and how you can manage your privacy choices.

To view the full Zoetis Privacy Policy, visit <https://www.zoetis.com/privacy-center>.

Zoetis Reference Laboratories – Test Cancellation Policy

At Zoetis Reference Laboratories, we understand that circumstances may arise where a test needs to be canceled. To ensure clarity and consistency, we have established the following cancellation policy:

Who is eligible?

- If the testing process has not yet begun: The test is eligible for cancellation.
- If the testing process has already begun: The test is not eligible for cancellation.

Cancellation Process

To cancel a test, customers must contact Zoetis Reference Laboratories Customer Service at 1-888-965-9652 directly by phone.

Definition of Testing Process: The testing process is considered to have begun once the order has been received at the laboratory.

Alphabetical Test Listing

Canine & Feline Test Listing

#

2M Antibody Masticatory Muscle Myositis [†] 6403	84
17-Hydroxyprogesterone, Pre & Post-(ACTH Stim) [†] 17HPROG	59

A

Acetylcholine Receptor Antibody/Myasthenia Gravis [†] 6402	84
Acid-Fast Stain ACIDFAST	68
ACTH Stimulation (2 samples) 6100	58
ACTH Stimulation (3 samples) 6101	58
Adrenal Panel (with ACTH Stimulation), Canine/Feline [†] ACTHADR	59
Aerobic and Anaerobic Culture 7135	67
Aerobic Culture 7156	67
Albumin 1001	51
Aldosterone Baseline [†] ALDOS	59
Aldosterone Pre & Post [†] ALDOSPOST	59
Allergy Panel, Canine/Feline [†] 25001385	84
ALP (Alk Phos) 1003	52
ALT 1002	51
Amylase (Mich. State Univ.) [†] 1004	62
Anaerobic Culture 7157	67
Anaerobic ID Add-on A7157	89
<i>Anaplasma phagocytophilum</i> (IFA) ANATITER	73
Anticoagulant (Rodenticide) [†] ANTICOAG	77

Anti-Müllerian Hormone [†] 5555	60
Anti-Nuclear Antibody (IFA) ANA	84
Anti-Platelet Flow Cytometry, Canine [†] PBA	43
Antithrombin (AT3) [†] ANTTHRO3	40
<i>Aspergillus</i> Galactomannan Antigen EIA [†] ASPGUR	74
<i>Aspergillus</i> Titer AGID [†] ASP	73
AST 1005	52
Australia Export Completion Panel [†] AUSECPN	73

B

<i>Babesia</i> Blood Smear [†] BABBLDSMR	46
<i>Babesia</i> IFA [†] BABESIAIFA	76
Baermann Test (Lungworm) BAER	65
<i>Bartonella</i> IFA [†] 6025	74
Basic CBC, Canine/Feline (Healthy, Non-geriatric) 2000	39
Bile Acid Pre/Resting Add-on A6180	89
Bile Acids Post 6181	50
Bile Acids Pre/Resting 6180	50
<i>Blastomyces</i> Quantitative Antigen EIA [†] BLASTANT	70
Blood Culture 7150	68
Blood Lead [†] 6240	78
Blood Typing BLTYP	40
<i>Borrelia</i> (Lyme) (Western Blot) LYMEWB	73

Canine & Feline Test Listing (cont'd)

Bromide 1025	77
<i>Brucella canis</i> Culture [†] BRUCLCULT	68
<i>Brucella canis</i> Slide AGGL/AGID II [†] 6315	73
<i>Brucella canis</i> IFA BRUCIFA	73
Buffy Coat 6295	44
BUN 1006	52
C	
Calcium (Total Calcium) 1008	52
Canine Adenovirus Type 1 Antibody (VN) [†] K9ADNE1	75
Canine C-reactive Protein (CRP) [†] CRP	51
Canine Diarrhea PCR [†] with O&P, <i>Giardia</i> 25001623	37
Canine Distemper Virus Titer (Cornell) [†] DISTEMP	74
Canine Influenza Virus Titer [†] K9FLUAB	76
Canine Parvovirus Fecal Test 60002	76
Carnitine [†] CARNITINE	88
Centrifugal Fecal Flotation Test (O&P) & McMaster (Fecal Egg Counting) Test 25000487	65
Centronuclear Myopathy [†] CNM	86
Chloride 1007	52
Cholesterol 1009	52
C-Kit Mutation Assay [†] 6541	81
ClinChem 18 CHEM18	49
ClinChem 18 with SDMA 25001624	49

ClinChem 25 1000	49
ClinChem 25 with SDMA 25001625	49
Clotting Factor FIX [†] FACTORIX	45
Clotting Factor FVIII [†] FACTORVIII	46
Clotting Factor FXII [†] FACTORXII	46
Clotting Factor X [†] FACX	46
CO2 1020	53
Coagulation Panel and Fibrinogen, Canine/Feline [†] 25001390	47
Coagulation Panel, Canine/Feline (Cornell) [†] COAGFA	45
Cobalamin and Folate KFCOFO	63
Cobalamin (Vitamin B12) 6207	63
<i>Coccidioides</i> Antibody Screening Test 25001690	70
<i>Coccidioides</i> Titer AGID [†] 6129	70
<i>Coccidioides</i> Titer AGID Add-on A6129	91
Complete Amino Acid Profile [†] COMPAA	84
Complete Muscle Profile [†] CM	82
Comprehensive CBC, Canine/Feline CBCC	39
Comprehensive CBC Upgrade (add to core panel) CBCCUP	39
Comprehensive (PCR and Serology) Vector Panel, Canine [†] K9FCOMP	74
Comprehensive (PCR and Serology) Vector Panel, Feline [†] FELVECTPNL	76
Congenital (CKCS) Macrothrombocytopenia [†] CKCSMACRO	86
Copper, Zinc, Iron Levels on Hepatic Tissue [†] COPZNCIRON	82
Core Vaccine Titer Panel (includes Rabies, non-export), Canine [†] 6160	72

Canine & Feline Test Listing (cont'd)

Corticosteroid-Induced Alk Phos (CIALP) ⁺ CIALP	51
Cortisol Add-on A5101	90
Cortisol (Baseline/Resting) 5101	58
Cortisol (Single Sample, Post-ACTH) CORTPOST	58
Creatinine 1010	52
Creatinine Kinase (CK) 1011	52
Critical Care ClinChem, Canine/Feline 25000488	48
Crossmatch, Additional Donor XMTCHX	41
Crossmatch, One Donor XMTCH1	40
Crossmatch, Three Donors XMTCH3	41
Crossmatch, Two Donors XMTCH2	40
<i>Cryptococcus</i> Antigen Titer by Latex Agglutination 7216	70
Cyclosporine ⁺ 6335	77
Cystinuria Nitroprusside ⁺ CYSTINURIA	86
Cytopathology Complex 7201	83
Cytopathology Simple/Single Site 7120	83
D	
D-Dimer 4104	44
Degenerative Myelopathy ⁺ DEGMYE	86
Dermatopathology Panel (includes Histopathology & Dermatologist Consult) ZN400	80
Dermatophyte Culture 7160	67
Dexamethasone Suppression (2 samples) 6103	58

Dexamethasone Suppression (3 samples) 6104	59
DGGR Lipase (ZRL Premium Lipase) 1030	62
DGGR Lipase (ZRL Premium Lipase) Add-on A1030	89
DGGR Lipase (ZRL Premium Lipase), TLI, Cobalamin, and Folate, Canine 7250	62
DIC Panel ⁺ 6565	41
Digoxin ⁺ 6320	77
Direct Coombs 2701	44
Direct Coombs Add-on A2701	90
Drugs of Abuse ⁺ DOA	78
E	
<i>Ehrlichia canis</i> (IFA) EHRCH	75
Endogenous ACTH, Canine ⁺ 25001384	60
Erythropoietin (EPO) ⁺ 50227	46
Estradiol, Baseline ⁺ ESTRADIOL	60
F	
Fanconi Syndrome Test ⁺ FANCONI	86
Fecal Culture 7155	67
Fecal Direct Smear Test 25001610	65
Fecal Occult Blood 7255	64
Fecal Sedimentation Test 25001612	65
Feline Coronavirus (IFA) CORONAIFA	73
Feline Diarrhea PCR ⁺ with O&P, <i>Giardia</i> 25001626	38

Canine & Feline Test Listing (cont'd)

Feline Heartworm Antibody (ELISA) [†] 6007	66
Feline Heartworm Antibody (ELISA) Add-on [†] A6007	90
Feline Hyperthyroid ClinChem 25000507	48
Feline Infectious Peritonitis Virus (FIP) IFA 25001570	72
Feline Leukemia Virus (FeLV) (ELISA) 25000531	76
Feline Vaccine Panel 2 [†] 7200	71
FeLV/FIV Rapid Test 6005	70
FELV/FIV Rapid Test Add-on A6005	89
Fibrinogen, Canine/Feline 4103	44
FIV by Western Blot & ELISA [†] FIVWB	75
Flow Cytometry [†] FLOW	42
Flow Cytometry with CBC [†] FLOWCBC	42
Folate 6208	63
Free (Ionized) Calcium IONISTAT	50
Free (Ionized) Calcium (Mich. State Univ.) [†] 6304	50
Free (Ionized) Calcium (Mich. State Univ.) Add-on [†] A6304	92
Free T4 5103	56
Free T4 Add-on A5103	90
Free T4 by ED [†] 6330	56
Fructosamine 1024	57
Fructosamine Add-on A1024	89
Fungal Culture 7145	67
Fungal Susceptibility 1 Drug [†] FUNGALSUS1	69

Fungal Susceptibility 2 Drugs [†] FUNGALSUS2	69
Fungal Susceptibility 3 Drugs [†] FUNGALSUS3	69
Fungal Titer Panel AGID [†] 6130	71

G

Gabapentin [†] GAB	78
Gastrin [†] GASTRIN	61
GGT 1013	53
<i>Giardia</i> Antigen Test 2321	64
<i>Giardia</i> Antigen Test, Canine/Feline Add-on A2321	90
<i>Giardia</i> & <i>Cryptosporidium</i> (IFA), Canine/Feline 2404	65
<i>Giardia</i> Focused O&P 25001611	64
Glomerular Filtration Rate (Iohexol Clearance) [†] GFRIC	54
Glucose 1014	53
Gross Parasite Identification 25001435	66

H

Heartworm Antigen Test 6001	65
Heartworm Antigen Test Add-on A6001	89
Heartworm Antigen Test (Alternate Methodology) 25000533	66
Heartworm Antigen with Heat Treatment HWHEAT	65
Hemophilia Panel, Canine/Feline [†] HEMO	43
Hemostasis Panel, Canine/Feline [†] 6560	45
Hepatopathology (Liver) Panel ZN500	80

Canine & Feline Test Listing (cont'd)

High-Sensitivity Cardiac Troponin I [†] TROPONIN	51
Histopathology Complex, Level 1 ZN102	79
Histopathology Complex, Level 2 ZN103	79
Histopathology Simple, Multiple Sites (Up to 5 sites) ZN101	79
Histopathology Simple, Single Site ZN100	79
<i>Histoplasma</i> Quantitative Antigen EIA [†] HISTOANT	75
Hold Urine Culture for 48 hours 25000534	67

I

IgA, Canine IGA	84
IgG, Canine [†] IGG	84
IgG, IgA, IgM, Canine [†] IGGAM	84
Immunofixation Free Lt Chain Add-On [†] 25001431	85
Insulin:Glucose Ratio [†] MSUIG	57
Insulin-like Growth Factor [†] ILGROFAC	61
Iron Profile [†] IRONPRO	43
Iron, Serum/Plasma, Canine [†] IRON	43

K

Keppra Levels Peak & Trough Samples [†] KEPPRA	78
-----------------------------------------------------------	----

L

LC/Mass Spectrometry Toxicology Screen [†] LCMS	78
LDH [†] LDH	50

Leflunomide Level [†] LEFLUNO	77
<i>Leishmania</i> Titer IFA [†] LEISH	75
<i>Leptospira</i> Antibodies (IgM), Canine 6008	72
<i>Leptospira</i> Antibodies (IgM), Canine Add-on A6008	91
<i>Leptospira</i> MAT, 5 Serovar [†] 6164	72
<i>Leptospira</i> MAT, 5 Serovar & PCR [†] 6163	72
Levetiracetam (Keppra) [†] 6321	77
Liver ClinChem 25000510	48
Low Molecular Weight Heparin [†] LMWHEPARIN	47
Luteinizing Hormone (LH), Canine/Feline LH	61
Lyme (<i>Borrelia</i>) Titer IFA [†] LYMEIFA	75
Lyme Multiplex Test, Canine [†] LYMEMPLX	73
Lymphoid Neoplasia PCR/PARR (T&B Cell) from Blood, Fluid, Cytopathology Sample [†] 6542	83
Lymphoid Neoplasia PCR/PARR (T&B cell) from Histopathology Sample [†] 6544	82

M

Magnesium 1016	53
Malignancy (Hypercalcemia) Panel [†] 6555	57
Mast Cell Tumor Prognostic Panel, Canine [†] 6540	82
Mature Cat ClinChem 25000482	48
McMaster (Fecal Egg Counting) Test 2328	65
Melanoma Diagnostic Panel, Canine [†] 6425	82

Canine & Feline Test Listing (cont'd)

Melanoma Prognostic Panel, Canine [†] 6426	81
Metabolic ClinChem 25000512	48
Metanephrines, Plasma-free [†] METAPLAS	61
Metanephrines, Urine Fractionated [†] METAUR	61
Methylmalonic Aciduria (Cobalamin Malabsorption) [†] COBMAL	86
Microbiota Dysbiosis Index, Canine [†] DYSINDEX	64
Mini Renal ClinChem 25000513	48
Modified Knott's Test for Microfilariae (Heartworm) 6225	66
Modified Knott's Test with Quantification MODKNOTTSQ	66
<i>Mycobacterium</i> Culture [†] MYCO	68
<i>Mycoplasma</i> Culture [†] MYCOPLASCU	68
N	
<i>Neospora caninum</i> IFA [†] NEO	74
Nephropathology (Renal) Panel ZN25000541	81
Neurology Infectious Disease Panel [†] NEUROID	73
New Zealand Export Panel I [†] NZECPN	76
New Zealand Export Panel II [†] NZECPN2	76
NSAID ClinChem 25000514	48
NT-proBNP [†] PROBNP	51
O	
OFA Thyroid Panel, Canine [†] K9THYROID	57
O&P (Centrifugal Fecal Flotation) Panel 25001613	64

O&P (Centrifugal Fecal Flotation) with Direct Smear 25001614	65
O&P with HW & Tick 25001627	66
O&P with HW & Tick 25001627	70
Osmolality [†] OSMOLAL	51
Ova and Parasite (Centrifugal Fecal Flotation) Test 2320A	64
Ova and Parasite (Centrifugal Fecal Flotation) Test and <i>Giardia</i> Antigen Test 2320	64
Ovarian Remnant Syndrome [†] OVRS	60

P

Pancreatic Lipase Immunoreactivity (PLI), Canine (TX GI) [†] PLITX	62
Pancreatic Lipase Immunoreactivity (PLI), Feline (TX GI) [†] 7240	62
Parathyroid Hormone-Related Protein (PTHrP) [†] PTHRP	57
Parathyroid Panel [†] 6306	57
Pathologist Review PATH	39
Phenobarbital 1031	78
Phenobarbital Add-on A1031	91
Phenobarbital ClinChem 25000515	49
Phosphorus 1017	53
PLI and TLI, Feline (TX GI) [†] 7253	62
PLI, Cobalamin, and Folate, Canine/Feline (TX GI) [†] FEPLICOFOL	62
PLI, TLI, Cobalamin, and Folate, Canine (TX GI) [†] K9PTCFTX	62
PLI, TLI, Cobalamin, and Folate, Feline (TX GI) [†] 7251	63
Potassium 1018	53

Canine & Feline Test Listing (cont'd)

Pre-Anesthetic ClinChem 25000516	49
Pregnancy Test (Relaxin), Canine/Feline 6009	61
Premium Thyroid Panel + TSH, Feline† 6550	56
Premium Thyroid Panel, Canine† 6545	56
Progesterone 5105	60
Protein C† PROC	43
Protein Electrophoresis 6345	84
Protein Electrophoresis immunofixation† 25001430	85
PT & aPTT 4101	43
Pyruvate Kinase Deficiency DNA Test† PYRUDNA	86
<i>Pythium</i> Serology† OOPYTHIUM	75
Q	
Quantitative Copper (Blood or Tissue)† 6171	77
R	
Rabies Antibody Endpoint (Not for Export)† 7206	75
Rabies Screen Titer (not for export)† 7205	74
Rabies Titer for Export† 7205E	71
Renal ClinChem 25000479	48
Reproductive Hormone Panel† RHP	60
Reticulocyte RETIC	39
Reticulocyte Count Add-on 25000525	92
<i>Rickettsia rickettsii</i> (RMSF) IFA† RMSFIFA	75

S

SDMA 7037	50
SDMA Add-on AN7037	89
Selenium† SELENIUM	87
Skin Culture and Sensitivity (Dermatology) 25001434	69
Sodium 1019	53
Stone Analysis† 7032	55

T

Taurine:Plasma† TAURPLAS	87
Taurine (Plasma and Whole Blood)† TAUR	87
Taurine:Whole Blood† TAURWB	87
Technician Blood Smear Review SMREV	45
Testosterone, Baseline† TESTOS	60
Testosterone Post-HCG/GnRH† TESTPOST	60
Thiamine (Vitamin B1)† THIAMINE	87
Thyroglobulin Autoantibody† 6437	56
Thyroid Panel 25000484	56
Tick Panel Screening Test + Heartworm Antigen Test 25001389	76
Tick Panel Screening Test 6002	70
Tick Panel Screening Test Add-on A6002	90
Tick Serology Panel 7185	71
TLI, Canine 6206	63

Canine & Feline Test Listing (cont'd)

TLI Canine Add-on A6206	90
TLI, Cobalamin, and Folate, Canine 7252	63
TLI, Cobalamin, and Folate, Feline (TX GI) [†] F7251	63
Total Bilirubin 1021	53
Total Protein 1022	54
Total T3 (TT3), Canine/Feline [†] 1396	56
Total T4 5102	56
Total T4 Add-on A5102	91
Toxic Heavy Metal Panel [†] 25001395	78
<i>Toxoplasma gondii</i> ELISA [†] TOXAB189	71
<i>Toxoplasma gondii</i> ELISA (Canine) & <i>Neospora caninum</i> IFA [†] K9TOXOPL	74
Trace Element Screen [†] TMINPAN	87
Triglycerides 1023	50
Triglycerides Add-on A1023	90
<i>Trypanosoma cruzi</i> (Chagas Disease) IFA Titer [†] TCRUIFA	74
Trypsin-Like Immunoreactivity (TLI), Feline (TX GI) [†] 6203	63
TSH 5106	56
TSH Add-on A5106	91
U	
Urinalysis 3000	54
Urinalysis Add-on 25001700	92
Urinalysis with Reflex UPC 25000521	55

Urinalysis with Reflex UPC Add-on 25001701	92
Urinalysis with Reflex UPC Upgrade 25001702	55
Urinalysis with Reflex UPC Upgrade 25001702	104
Urinalysis with Urine Culture & Sensitivity 25001629	37
Urinalysis with Urine Culture & Sensitivity 25001629	54
Urinalysis with Urine Culture & Sensitivity 25001629	67
Urine Cortisol:Creatinine Ratio 3310	59
Urine Cortisol:Creatinine Ratio Add-on [†] A3310	91
Urine Culture and Sensitivity 7140	67
Urine Culture and Sensitivity Add-on A7140	91
Urine Electrolyte Panel (for Fractional Excretion) [†] FREXCRE	55
Urine Protein:Creatinine Ratio 1555	54
Urine Protein:Creatinine Ratio Add-on A1555	91
V	
Vaccine Titer (Qualitative), Canine 6145	71
Vector Serology Panel, Canine [†] EXTENTICK	71
Visual Platelet Estimate 2211	45
Vitamin A [†] VITA	88
Vitamin D (25-hydroxyvitamin D3) [†] VITD	58
Vitamin D Profile [†] VITP	58
Vitamin E [†] 2331	88
Vitamin E and Mineral Panel [†] VITEMINE	88

Canine & Feline Test Listing (cont'd)

von Willebrand factor (vWF:Ag)[†] | 4106 44

Z

Zinc, Serum/Plasma[†] | ZINC 77

Zonisamide[†] | 6322 78

ZRL™ Adult | 25000501 33

ZRL™ Adult Complete | AWP 33

ZRL™ Adult Complete with O&P, HW, Tick | 25001631 33

ZRL™ Adult with HW | 25000502 33

ZRL™ Adult with O&P | 25001630 33

ZRL™ Canine GI | 25000491 36

ZRL™ Canine GI with O&P, *Giardia* | 25001632 36

ZRL™ Coagulation Panel I | COAG 47

ZRL™ Coagulation Panel II | 25001391 47

ZRL™ Complete Coccidioides | 25001711 36

ZRL™ Critical Care | 25000508 36

ZRL™ Feline GI | 25000492 37

ZRL™ Feline GI with O&P, *Giardia* | 25001633 37

ZRL™ Feline Hyperthyroid | 25000490 36

ZRL™ Junior | 25001634 32

ZRL™ Junior Complete | JWP 32

ZRL™ Junior Complete with HW | 25001642 32

ZRL™ Junior with HW | 25001638 32

ZRL™ Junior with HW, Tick | 25001639 32

ZRL™ Junior with O&P | 25001635 32

ZRL™ Junior with O&P, *Giardia*, HW, Tick | 25001637 32

ZRL™ Junior with O&P, HW, Tick | 25001636 32

ZRL™ Junior with PT/aPTT | 25001640 33

ZRL™ Junior with T4 | 25001641 32

ZRL™ Mature Cat | 2500050v0 36

ZRL™ Metabolic | 25000493 37

ZRL™ Pre-Anesthetic | 25000496 37

ZRL™ Premium Lipase (DGGR Lipase) | 1030 62

ZRL™ Premium Lipase (DGGR Lipase) Add-on | A1030 89

ZRL™ Renal | 25000478 37

ZRL™ Senior | SBASIC 34

ZRL™ Senior Complete | SWP 33

ZRL™ Senior Complete O&P, HW, Tick, UPC | 25001654 29

ZRL™ Senior Complete O&P, HW, Tick, UPC | 25001654 35

ZRL™ Senior Complete O&P with FeLV/FIV | 25001646 34

ZRL™ Senior Complete O&P with FeLV/FIV, HW | 25001647 35

ZRL™ Senior Complete O&P with fPLI | 25001649 35

ZRL™ Senior Complete O&P with *Giardia* | 25001650 35

ZRL™ Senior Complete O&P with *Giardia*, HW, Tick | 25001651 35

ZRL™ Senior Complete O&P with HW | 25001648 35

ZRL™ Senior Complete O&P with HW, Tick | 25001652 35

Canine & Feline Test Listing (cont'd)

ZRL™ Senior Complete O&P with HW, Tick, ZRL™ Premium Lipase (DGGR), TG 25001653	36
ZRL™ Senior Complete with ZRL™ Premium Lipase (DGGR), TG 25001655	34
ZRL™ Senior Complete with FT4 25001656	34
ZRL™ Senior Complete with HW, TG 25001657	34
ZRL™ Senior with FT4 25001645	34
ZRL™ Senior with O&P 25001643	34
ZRL™ Senior with O&P, HW 25001644	34

A

Large Animal Test Listing

Acid-Fast Stain ACIDFAST	112
Aerobic and Anaerobic Culture 7135	111
Aerobic Culture 7156	111
Albumin 1001	100
Aldosterone Baseline† ALDOS	108
Allergy Panel, Equine† 6307	122
ALP (Alk Phos) 1003	101
Amylase (Mich. State Univ.)† 1004	109
Anaerobic Culture 7157	111
Anaerobic ID Add-on A7157	125
Anticoagulant (Rodenticide)† ANTICOAG	117
Anti-Müllerian Hormone, Equine† ANTIMULL	107
Antithrombin (AT3)† ANTTHRO3	98
<i>Aspergillus</i> Galactomannan Antigen EIA† ASPGUR	115
<i>Aspergillus</i> Titer AGID† ASP	114
AST 1005	101

B

Baermann Test (Lungworm) BAER	110
Basic CBC, Large Animal (Healthy Animals) 7000	97
<i>Blastomyces</i> Quantitative Antigen EIA† BLASTANT	114
Blood Culture 7150	112
Blood Lead† 6240	118

Buffy Coat 6295	97
BUN 1006	101

C

Calcium (Total Calcium) 1008	101
Caseous Lymphadenitis (<i>Corynebacterium pseudotuberculosis</i>) Titer† CALYMTTR	116
Centrifugal Fecal Flotation Test (O&P) & McMaster (Fecal Egg Counting) Test 25000487	110
Chloride 1007	101
Cholesterol 1009	101
ClinChem 18, Large Animal CHEM18EQ	99
CO2 1020	103
<i>Coccidioides</i> Titer AGID† 6129	114
Coggins AGID, Electronic Submission E1560	113
Coggins AGID, Paper Submission COGAGID	113
Coggins ELISA, Electronic Submission E1561	113
Coggins ELISA, Paper Submission COGELISA	113
Complete Amino Acid Profile† COMPAA	122
Comprehensive CBC, Large Animal 8000	97
Comprehensive CBC Upgrade, Large Animal 25001590	97
Cortisol Add-on A5101	125
Cortisol AM/PM, Equine AMPMEC	105
Cortisol (Baseline/Resting) 5101	105

Large Animal Test Listing (cont'd)

Creatinine 1010	101
Creatinine Kinase (CK) 1011	102
<i>Cryptococcus</i> Antigen Titer by Latex Agglutination 7216	115
Cryptorchid Panel, Equine [†] EQCRYPTO	107
Cytopathology Complex 7201	121
Cytopathology Simple/Single Site 7120	121

D

Dermatopathology Panel (includes Histopathology & Dermatologist Consult) ZN400	120
Dermatophyte Culture 7160	112
Drug Screen, Firocoxib [†] DGSCRFIRO	117
Drug Screen, NSAIDs, Equine [†] DSNSAIDS	118
Drug Screen with Tranquilizers, NSAIDs [†] DSNSAIDTQ	117
Drugs of Abuse [†] DOA	118

E

Endogenous ACTH ENDOACTH	106
Equine Influenza (HAI) [†] EQINFLUENZA	116
Equine Metabolic Panel (ACTH, Insulin, Glucose) EQCUSHING	106
Equine Protozoal Myelitis IFA Titer (NeoFluor™) [†] NEOIFAT	116
Equine Protozoal Myelitis IFA Titer (SarcoFluor™) [†] SARCOIFAT	116
Equine Protozoal Myelitis IFA Titers (SarcoFluor™ & NeoFluor™) [†] EPMIFAT	115
Equine Uterine Culture 7154	111

Equine Viral Arteritis (EVA) [†] EVA	114
Erythropoietin (EPO) [†] 50227	98
Estrogens, Total [†] EQEST	108
Estrone sulfate, Equine 25001386	106
Exercise ClinChem, Large Animal 25000509	99

F

Fecal Culture 7155	112
Fecal Occult Blood 7255	110
Free (Ionized) Calcium IONISTAT	100
Free (Ionized) Calcium (Mich. State Univ.) [†] 6304	100
Free (Ionized) Calcium (Mich. State Univ.) Add-on [†] A6304	125
Free T4 5103	105
Free T4 Add-on A5103	125
Free T4 by ED [†] 6330	105
Fungal Culture 7145	112
Fungal Susceptibility 1 Drug [†] FUNGALSUS1	112
Fungal Susceptibility 2 Drugs [†] FUNGALSUS2	112
Fungal Susceptibility 3 Drugs [†] FUNGALSUS3	113

G

Gabapentin [†] GAB	118
Gastrin [†] GASTRIN	107
GCT Panel II, Equine [†] EQGCTPII	107

Large Animal Test Listing (cont'd)

GGT 1013	102
GLDH 1040	102
Glucose 1014	102
Gross Parasite Identification 25001435	110

H

High-Sensitivity Cardiac Troponin I [†] TROPONIN	101
Histopathology Complex, Level 1 ZN102	119
Histopathology Complex, Level 2 ZN103	119
Histopathology Simple, Multiple Sites (Up to 5 Sites) ZN101	119
Histopathology Simple, Single Site ZN100	119
<i>Histoplasma</i> Quantitative Antigen EIA [†] HISTOANT	115
Hold Urine Culture for 48 hours 25000534	111

I

IgG, Equine FOALIGG	122
IgG, Equine: Rapid, Semi-Quantitative FOALIGGRAP	122
IgM, Equine 25000540	122
Insulin, Equine 5104	108
Insulin:Glucose Ratio, Equine EQINSGLU	108
Insulin-like Growth Factor [†] ILGROFAC	106
Iron Profile [†] IRONPRO	98

L

Large Animal ClinChem 24 CHEM24EQ	99
Exercise Panel, Large Animal 25000489	95
Liver ClinChem, Large Animal 25000511	99
Metabolic Panel, Large Animal 25000494	95
Pre-anesthetic Panel, Large Animal 25000495	95
Pre-Anesthetic ClinChem, Large Animal 25000486	99
Renal Panel I, Large Animal 25000497	95
Renal Panel II, Large Animal 25000498	95
Renal ClinChem, Large Animal 25000485	99
Large Animal Wellness Panel EQWP	95
LC/Mass Spectrometry Toxicology Screen [†] LCMS	118
LDH [†] LDH	100
<i>Leptospira</i> MAT, 5 Serovar [†] 6164	114
<i>Leptospira</i> MAT, 5 Serovar & PCR [†] 6163	114
Lipid Profile [†] LIPIDPROF	103
Low Molecular Weight Heparin [†] LMWHEPARIN	98
Lyme Multiplex Test, Equine [†] LYMEMPLXEQ	115

M

Magnesium 1016	102
McMaster (Fecal Egg Counting) Test 2328	110
Metabolic Syndrome Panel I, Equine [†] CUSHING	106

Large Animal Test Listing (cont'd)

Metanephrines, Plasma-free† METAPLAS	108
Metanephrines, Urine Fractionated† METAUR	109
<i>Mycobacterium</i> Culture† MYCO	112
<i>Mycoplasma</i> Culture† MYCOPLASCU	111
N	
Nephropathology (Renal) Panel ZN25000541	120
O	
Oral Sugar Test (Insulin Testing), Equine† EQGLUCOSE	108
Osmolality† OSMOLAL	100
Ova and Parasite (Centrifugal Fecal Flotation) Test 2320A	110
P	
Parathyroid Hormone-Related Protein (PTHrP)† PTHRP	109
Pathologist Review PATH	97
Phosphorus 1017	102
Potassium 1018	102
Potomac Horse Fever (<i>Neorickettsia risticii</i>) IFA† POTOMAC	116
Pregnancy Panel, Equine† 25001387	107
Pregnant Mare Serum Gonadotropin (PMSG)† 25001388	107
Progesterone 5105	105
Protein C† PROC	98
Protein Electrophoresis 6345	122

PT & aPTT 4101	98
<i>Pythium</i> Serology† OOPYTHIUM	115
Q	
Quantitative Copper (Blood or Tissue)† 6171	117
R	
Reflex Aerobic Culture (Contingent) 25000536	111
Reproductive Hormone Panel† RHP	107
Reticulocyte RETIC	97
Reticulocyte Count Add-on 25000525	125
<i>Rhodococcus equi</i> ELISA† RHODOCOCCUS	116
S	
<i>Sarcocystis neurona</i> by Western Blot† SNEURONA	115
Selenium† SELENIUM	123
Selenium and Trace Elements Screen† SELETREL	117
Serum Amyloid A (SAA), Equine† SAA	100
Skin Culture and Sensitivity (Dermatology) 25001434	113
Sodium 1019	102
<i>Streptococcus equi</i> ELISA† STREPEQUI	116
T	
Technician Blood Smear Review SMREV	97
Testosterone, Baseline† TESTOS	108

Large Animal Test Listing (cont'd)

Testosterone Post-HCG/GnRH [†] TESTPOST	108
Thiamine (Vitamin B1) [†] THIAMINE	123
Thyroid Panel EQTHYROID	105
Total Bilirubin 1021	103
Total Protein 1022	103
Total T3 (TT3), Equine TT3	105
Total T4 5102	105
Total T4 Add-on A5102	125
Toxic Heavy Metal Panel [†] 25001395	118
Trace Element Screen [†] TMINPAN	123
TRH Stimulation Test for Equine Cushing's/PPID 2222	106
Triglycerides 1023	103
Triglycerides Add-on A1023	125

U

Urinalysis 3000	104
Urinalysis Add-on 25001700	126
Urinalysis with Reflex UPC 25000521	104
Urinalysis with Reflex UPC upgrade 25001702	104
Urine Culture and Sensitivity 7140	111
Urine Electrolyte Panel (for Fractional Excretion) [†] FREXCRE	104
Urine Protein:Creatinine Ratio 1555	104
Urine Protein:Creatinine Ratio Add-on A1555	126

V

Vitamin A [†] VITA	124
Vitamin D (25-hydroxyvitamin D3) [†] VITD	107
Vitamin D Profile [†] VITP	109
Vitamin E [†] 2331	123
Vitamin E and Mineral Panel [†] VITEMINE	123

W

West Nile Virus IgM ELISA [†] WESTNILE	116
----------------------------------------------------------	-----

Z

Zinc, Serum/Plasma [†] ZINC	117
-----------------------------------------------	-----

Avian, Exotic & Small Mammal Test Listing

A

Advanced Reptile Panel† 25001448	128
Adv Avian Chem Panel† 25001437	130
Adv Mammal Chem Panel† 25001438	131
Adv Reptile Chem Panel† 25001439	131
Aspergillus Panel – PenguinPLUS † 25001449	132
Aspergillus Panel PLUS † 25001440	132

B

Basic Avian Chemistry Panel† 25001450	131
Basic Mammal Chemistry Panel† 25001451	131
Basic Mammal Panel† 25001452	128
Basic Reptile Chemistry Panel† 25001453	131
Basic Reptile Panel† 25001454	128
Bile Acids † 25001442	131

C

CBC Automated Count Manual Diff Mammal† 25001443	130
CBC Hemocytometer Cnt Man Diff Reptile† 25001444	129

E

Elasmobranch CBC and Diff† 25001455	129
Elasmobranch Chemistry Panel† 25001456	131

F

Fibrinogen Heat Precipitation Method† 25001457	129
--------------------------------------------------	-----

L

Lipoprotein Chemistry Panel† 25001458	130
-----------------------------------------	-----

M

Mini Avian Panel † 25001459	129
Mini Elasmobranch Panel† 25001460	129
Mini Mammal Panel† 25001461	130
Mini Reptile Panel† 25001462	129
Mini Teleost Panel† 25001463	130

P

Protein Electrophoresis (EPH) † 25001446	133
--------------------------------------------	-----

R

Reptile CBC and Diff† 25001447	129
----------------------------------	-----

S

Sex Determination (Psittacine)† 25001539	132
--------------------------------------------	-----

T

T4, Total (Mammals Only)† 25001464	132
Teleost CBC and Diff† 25001465	130
Teleost Chemistry Panel† 25001466	131

Avian, Exotic & Small Mammal Test Listing (cont'd)

V

Vitamin D (25-Hydroxy) Mammals Only† 25001467	133
-------------------------------------------------	-----

W

Well Bird Panel Package† 25001468	128
-------------------------------------	-----

PCR Test Listing

A

Adult Canine Diarrhea PCR Panel† 25001618	137
Adult Equine Diarrhea PCR Panel† 25001469	135
<i>Anaplasma/Ehrlichia</i> PCR† 25001470	135
Anemia PCR Panel, Canine† 25001471	135
Anemia PCR Panel, Feline† 25001472	135

B

<i>Babesia</i> spp (genus) PCR† 25001473	135
<i>Bartonella</i> spp (genus) PCR† 25001474	135
Blood Bank Disease PCR Panel, Canine† 25001475	135
<i>Bordetella bronchiseptica</i> PCR† 25001476	135
<i>Borrelia burgdorferi</i> (Lyme) PCR† 25001477	136
<i>Brucella</i> spp (genus) PCR† 25001478	136

C

<i>Campylobacteri coli</i> PCR† 25001480	136
<i>Campylobacteri jejuni</i> PCR† 25001479	136
Canine Adenovirus PCR† 25001481	136
Canine Puppy Diarrhea PCR w O&P, Giardia 25001623	136
Canine Distemper Virus (CDV) PCR† 25001482	137
Canine Herpesvirus 1 (CHV-1) PCR† 25001483	137
Canine Influenza PCR† 25001484	137
Canine Mycoplasma PCR† 25001485	137

Canine Neurological Disease, Central Nervous System PCR Panel† 25001486	137
Canine Parvovirus (CPV) PCR† 25001487	138
Canine Puppy Diarrhea PCR Panel† 25001488	138
Canine Reproductive/Abortion PCR Panel† 25001489	138
Canine Respiratory PCR Panel† 25001490	138
<i>Chlamydia</i> spp (genus) PCR† 25001491	138
<i>Chlamydophila felis</i> PCR† 25001492	138
Comprehensive (PCR and Serology) Vector Panel, Canine† K9FCOMP	139
Comprehensive (PCR and Serology) Vector Panel, Feline† FELVECTPNL	139
Coronavirus - Pan/Consensus PCR† 25001493	139
<i>Cryptococcus neoformans</i> PCR† 25001494	139
<i>Cryptosporidium</i> spp (genus) PCR† 25001495	139
<i>Cytauxzoon felis</i> PCR † 25001496	139

E

<i>Ehrlichia</i> spp (genus) PCR† 25001498	139
<i>Encephalitozoon cuniculi</i> PCR† 25001499	139
Equine Abortion/Reproduction PCR Panel† 25001500	140
Equine Foal Diarrhea PCR Panel† 25001501	140
Equine Herpes Virus type 1 PCR† 25001502	140
Equine Herpes Virus type 4 PCR† 25001503	140
Equine Influenza PCR† 25001504	140
Equine Respiratory PCR Panel I† 25001505	140

PCR Test Listing (cont'd)

Equine Respiratory PCR Panel II [†] 25001506	141
Equine Tickborne Disease PCR Panel [†] 25001507	141
Eubacteria Universal DNA - 16S rRNA PCR [†] 25001508	141
F	
Feline Calicivirus PCR [†] 25001509	141
Feline Coronavirus PCR [†] 25001510	141
Feline Diarrhea PCR Panel [†] 25001511	141
Feline Diarrhea PCR [†] with O&P, <i>Giardia</i> 25001626	142
Feline Hemotropic (blood) <i>Mycoplasma</i> PCR [†] 25001512	142
Feline Herpes and <i>Chlamydomphila felis</i> PCR Combo [†] 25001513	142
Feline Herpesvirus PCR [†] 25001514	142
Feline Immunodeficiency Virus FIV PCR [†] 25001515	142
Feline Leukemia Virus (FeLV) PCR [†] 25001516	142
Feline Neurological Disease PCR Panel [†] 25001517	142
Feline Ocular PCR Panel [†] 25001518	143
Feline Panleukopenia (Parvovirus) PCR [†] 25001519	143
Feline Respiratory PCR Panel 1 [†] 25001520	143
Fever of Unknown Origin PCR Panel, Canine [†] 25001521	143
Fever of Unknown Origin PCR Panel, Feline [†] 25001522	143
<i>Francisella tularensis</i> (Tularemia) PCR [†] 25001523	143
Fungal Sequencing and PCR on Tissue Block FUNGSEQPCR	143

G

<i>Giardia intestinalis</i> PCR [†] 25001524	144
---------------------------------------------------------	-----

H

<i>Helicobacter</i> spp (genus) PCR [†] 25001525	144
-------------------------------------------------------------	-----

L

<i>Leishmania</i> spp (genus) PCR [†] 25001526	144
-----------------------------------------------------------	-----

<i>Leptospira</i> MAT, 5 Serovar & PCR [†] 6163	144
------------------------------------------------------------	-----

<i>Leptospira</i> spp (genus) PCR [†] 25001527	144
-----------------------------------------------------------	-----

<i>Listeria</i> spp (genus) PCR [†] 25001528	144
---------------------------------------------------------	-----

M

<i>Mycobacterium</i> spp (genus) PCR [†] 25001529	145
--------------------------------------------------------------	-----

<i>Mycoplasma</i> spp (genus) PCR [†] 25001530	145
-----------------------------------------------------------	-----

N

<i>Neospora caninum</i> PCR [†] 25001531	145
-----------------------------------------------------	-----

<i>Nocardia</i> spp (genus) PCR [†] 25001532	145
---------------------------------------------------------	-----

P

Pan-Fungal PCR [†] 25001533	145
----------------------------------------	-----

PCR Formalin-Fixed Paraffin Embed Tissue [†] 25001534	145
------------------------------------------------------------------	-----

R

<i>Rhodococcus equi</i> PCR [†] 25001535	145
-----------------------------------------------------	-----

PCR Test Listing (cont'd)

<i>Rickettsia</i> spp (genus) PCR [†] 25001536	146
Ringworm, PCR, Canine/Feline 25001616	146
Ringworm, PCR, Equine 25001617	146

S

<i>Salmonella enterica</i> PCR [†] 25001537	146
SARS-COV-2 PCR [†] 25001538	146
<i>Strep equi</i> subsp. <i>zooepidemicus</i> PCR [†] 25001541	146
<i>Streptococcus equi</i> subsp. <i>equi</i> PCR [†] 25001540	146

T

Tickborne Disease PCR Panel Non-equine [†] 25001542	146
<i>Toxoplasma gondii</i> PCR [†] 25001543	147
<i>Tritrichomonas foetus</i> PCR [†] 25001544	147
<i>Trueperella pyogenes</i> PCR [†] 25001545	147
<i>Trypanosoma cruzi</i> PCR [†] 25001546	147

U

<i>Ureaplasma</i> spp (genus) PCR [†] 25001547	147
Uveitis PCR Panel, Feline [†] 25001548	147

Y

<i>Yersinia enterocolitica</i> PCR [†] 25001549	147
------------------------------------------------------------	-----



LOOK DEEPER