

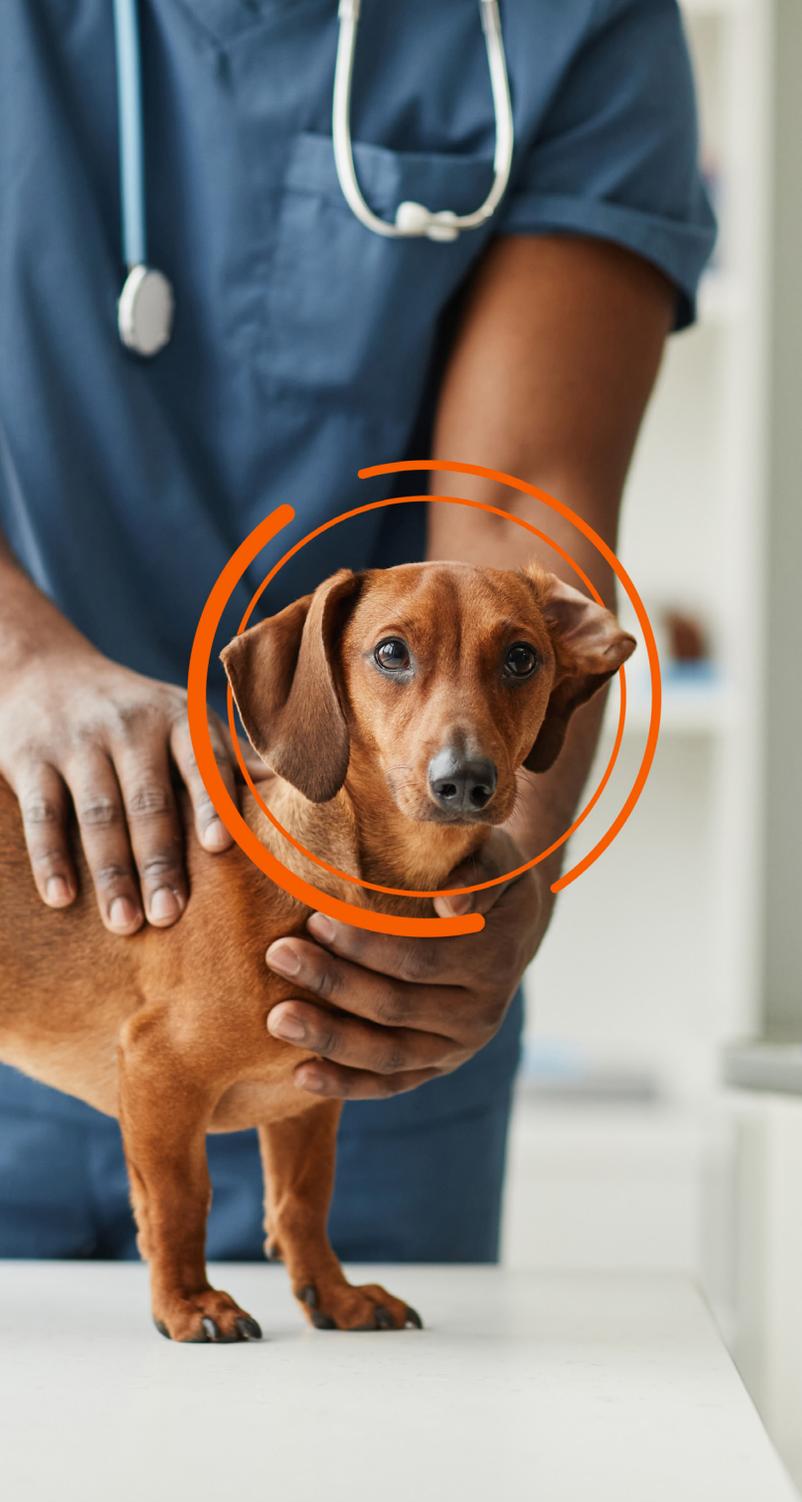
ZOETIS DIAGNOSTICS

reference  
laboratories  
by *zoetis*

# Directory of Services

2025





## Dear Valued Veterinary Partner,

At Zoetis Reference Laboratories, we understand the unique challenges you face in today's veterinary landscape — from the increasing demand for care coupled with workforce shortages to the daily stresses of treating ill and injured animals — and we are here to support you.

Our mission is to help you elevate your practice by providing a laboratory and diagnostic partnership that ensures you have the tests you need, with consistent, accurate and timely results. Every decision we make is centered around your clinic and your patients, and our medical roster is deep with expertise and committed to assisting you at every step.

We continually strive for excellence in all that we do, even incorporating gold standards from human laboratory diagnostic medicine into our Quality program. Our dedication to quality and continuous improvement supports you in your goal of providing the highest level of care to your patients.

Together, we can navigate the challenges of modern veterinary medicine and deliver exceptional care to the animals that depend on us.

Sincerely,

*Kavita Bhat*

Kavita Bhat  
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 standards<sup>1</sup> 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 Sigma<sup>2</sup> 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](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 2025 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.

## About Zoetis

### Reference Laboratories 6

*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.*

#### Overview 7

#### Turnaround Times 9

#### Testing Options 11

Hematology 11

Fecal/Parasitology 12

Cytopathology 13

Histopathology 14

#### Tube Guide 16

#### Sample Guidelines & Submission 18

Core Lab Specimens 18

Parasitology Specimens 18

Microbiology Specimens 18

Histopathology Specimens 19

Cytology Specimens 19

Seasonal Shipment Tips 20

#### Accessing Your Results 22

#### Customer Service 23

### Test Menu 24

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

#### Canine/Feline 26

Bundles 27

Hematology/Coagulation 39

Chemistry 48

Urine 54

Endocrinology 56

GI/Pancreatic 62

Fecal/Parasitology 64

Microbiology 67

Serology/Infectious Diseases 70

Clinical Pharmacology/Toxicology 77

Pathology 79

Clinical Immunology 84

Genetic 86

Nutrition 87

Add-Ons 89

#### Large Animal 93

Bundles 94

Hematology 96

Chemistry 99

Urine 104

Endocrinology 105

GI/Pancreatic 109

Fecal/Parasitology 110

Microbiology 111

Serology/Infectious Diseases 113

Clinical Pharmacology/Toxicology 117

Pathology 119

Clinical Immunology 122

Nutrition 123

Add-Ons 125

#### Avian, Exotic & Small Mammal 127

#### PCR 134

### Policies 148

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

### Alphabetical Test Listing 151

*An alphabetical listing of our tests by species.*

**Canine/Feline 152**

**Large Animal 162**

**Avian, Exotic & Small Mammal 167**

**PCR 169**

# 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<sup>†</sup> 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).

<sup>†</sup> Additional costs may apply.

[Overview](#) | [Turnaround Times](#) | [Testing Options](#) | [Tube Guide](#) | [Sample Guidelines & Submission](#) | [Accessing Your Results](#) | [Customer Service](#)

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

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

## 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

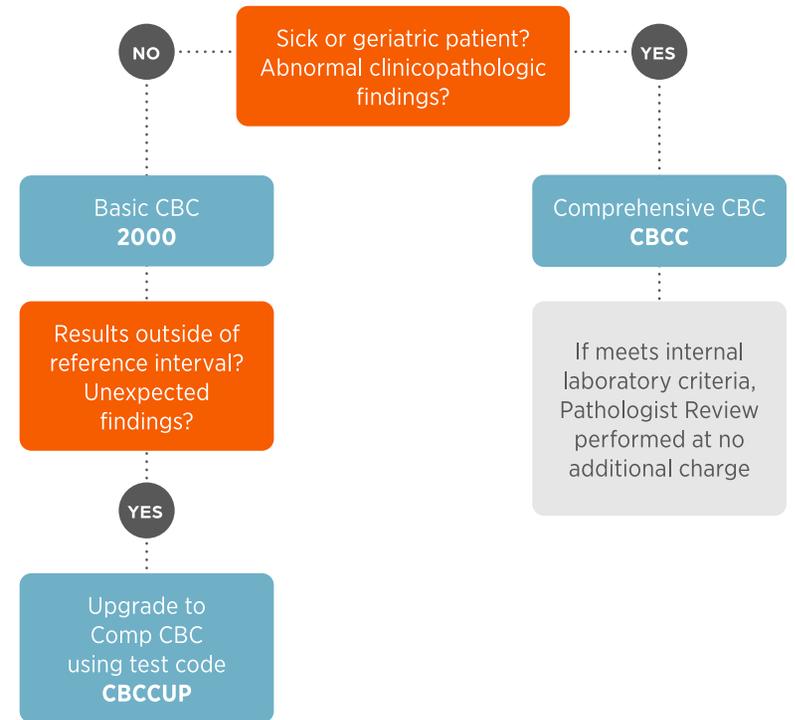
Some tests in our Directory are not performed at Zoetis Reference Laboratories. Turnaround times for these tests are dependent on the partner laboratory that processes these tests.

# 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

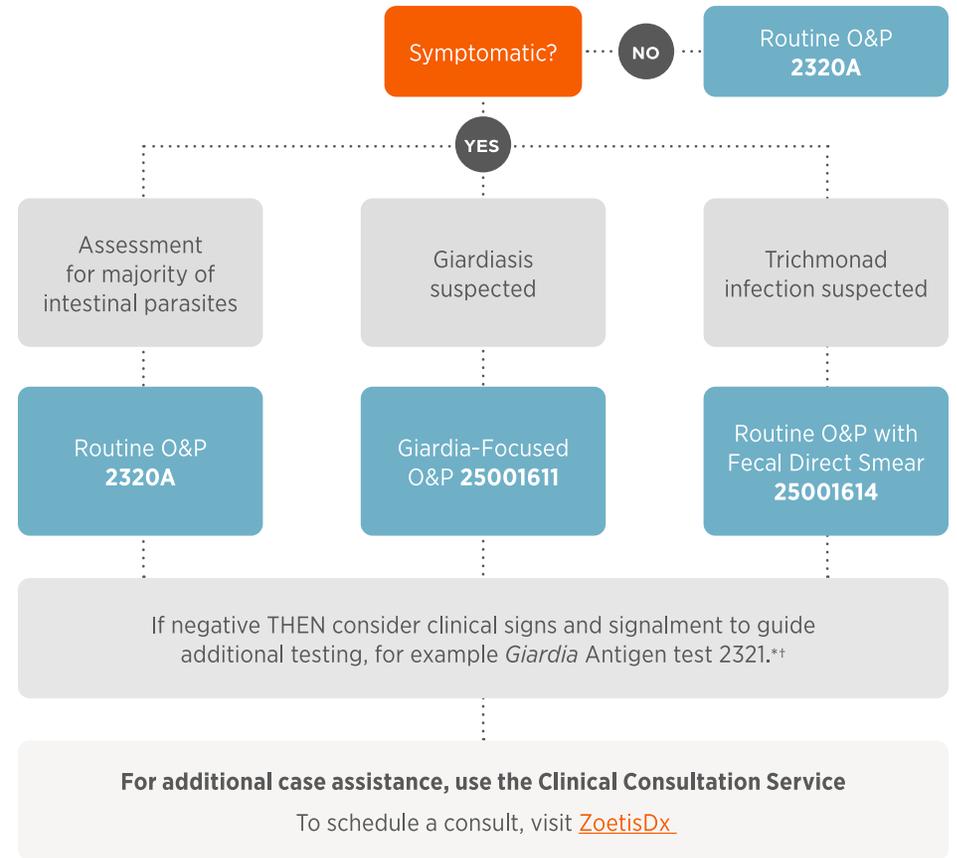
# Zoetis Reference Labs Testing Options: Fecal/Parasitology

## 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...

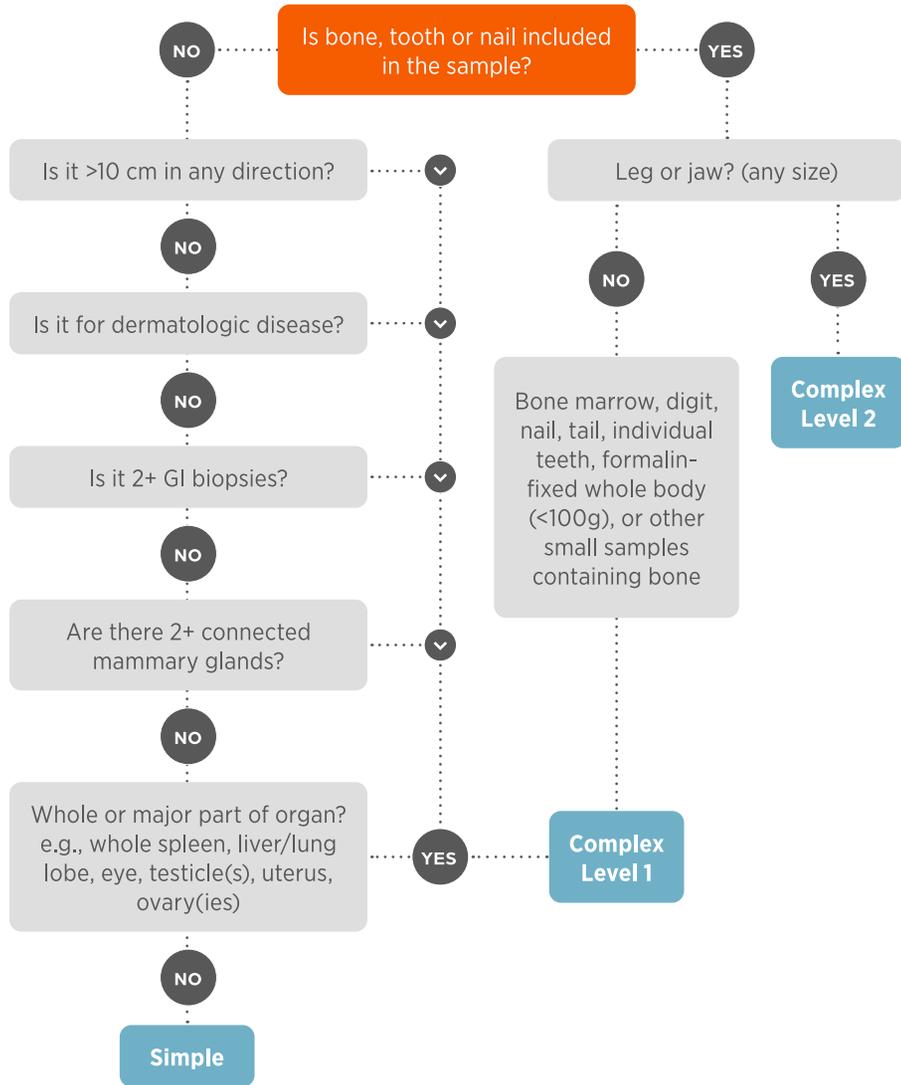
[Canine & Feline](#) | [Large Animals](#)

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   <b>ZN101</b>
6-15 Simple Sites	Complex Level 1   <b>ZN102</b>
>15 Simple Sites	Complex Level 2   <b>ZN103</b>
2+ Complex Level 1 Sites	Complex Level 2   <b>ZN103</b>
Complex Level 1 Site & <5 Simple Sites	Complex Level 1   <b>ZN102</b>
Complex Level 1 Site & >5 Simple Sites	Complex Level 2   <b>ZN103</b>

## 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

**Meet the Experts**

# 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
<b>Blue-top tube</b> ● 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)
<b>Purple-top or lavender-top tube</b> ● 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)	<b>Most common use:</b> – Whole blood for CBC
<b>Green-top tube</b> ● GRNTT 	Lithium heparin	Whole blood or plasma	Green top – Microtube also available for low-volume samples (very small, pediatric, and exotic species)	<b>Most common use:</b> – Free (ionized) calcium, whole blood for point-of-care chemistry testing  <b>Other uses:</b> – Lithium heparin plasma sometimes required for specialized testing
<b>Mint- or light green-top microtube</b> ■ 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	<b>Most common use:</b> – Lithium heparin plasma sometimes required for specialized testing
<b>Red-top tube</b> ● 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.	<b>Most common use:</b> – Serum chemistry testing  <b>Other uses:</b> – Immunology – Serology – Many others

## Tube Guide (cont'd)

Tube Type	Additive	Sample Type(s)	Tube Description	Common Uses
<b>Serum-separator tube or tiger-top tube</b> <b>○ SST</b> 	Clot activator (embedded in gel)	Serum	Red top, red and black marble top (tiger top) <ul style="list-style-type: none"> <li>- Pediatric tube with gold-top microtube also available for low-volume samples (very small, pediatric, and exotic species)</li> <li>- Important not to confuse gold-top tube with yellow-top urine tube</li> <li>- All tubes have opaque light yellow gel at bottom of tube</li> </ul>	<b>Most common use:</b> <ul style="list-style-type: none"> <li>- Serum chemistry testing</li> </ul> <b>Other uses:</b> <ul style="list-style-type: none"> <li>- Immunology</li> <li>- Serology</li> <li>- Many others</li> </ul>
<b>White-top tube</b> <b>○ WTT</b> 	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"> <li>- Used when special handling of sample required (such as freezing)</li> <li>- Sometimes used for collection of fluids/urine and materials for culture</li> </ul>
<b>Yellow-top tube</b> <b>● YTT</b> 	No additive	Urine	Bright yellow top <ul style="list-style-type: none"> <li>- May have a conical or tapered base</li> <li>- Do not confuse with gold-top serum tubes used occasionally</li> </ul>	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 bagged ice or ice packs during shipment to avoid tissue necrosis. See below for additional guidance.
- Place the specimen and any forms in separate, sealed plastic bags. Double bag specimens, whenever possible.
- Ice packs and bags 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.)

\* \$50.00 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](https://zoetisdx.com)

**1-888-965-9652**

8:00 AM–9:30 PM ET (Weekdays)

9:00 AM–8:30 PM ET (Saturdays)

[referencelabsupport@zoetis.com](mailto:referencelabsupport@zoetis.com)

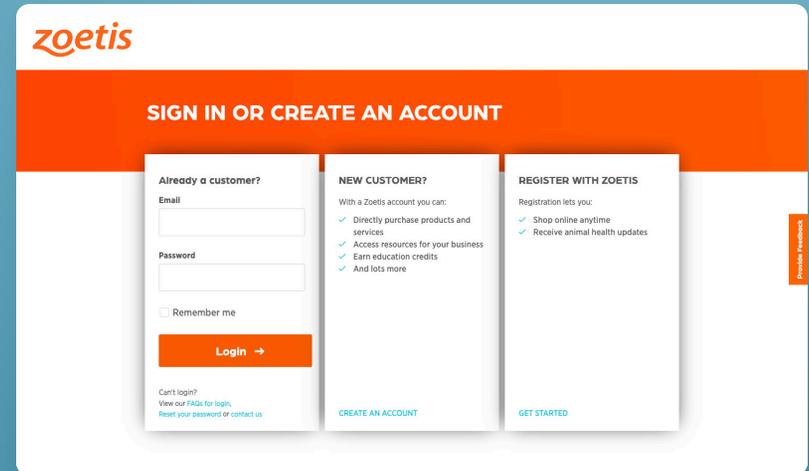
## On-demand Solutions

Visit [zoetisreflabs.com/customers](https://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](https://shop.zoetis.com) for all your supplies.



Request your complimentary supplies through customer service or online at [shop.zoetis.com](https://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**

● **Urine**

● **GRYTT:** K Oxalate/Na Fluoride

● **RBTT:** Na EDTA/Na Heparin

† Send-out test

🧊 Refrigerate

🧊🚫 Refrigerate, do not freeze

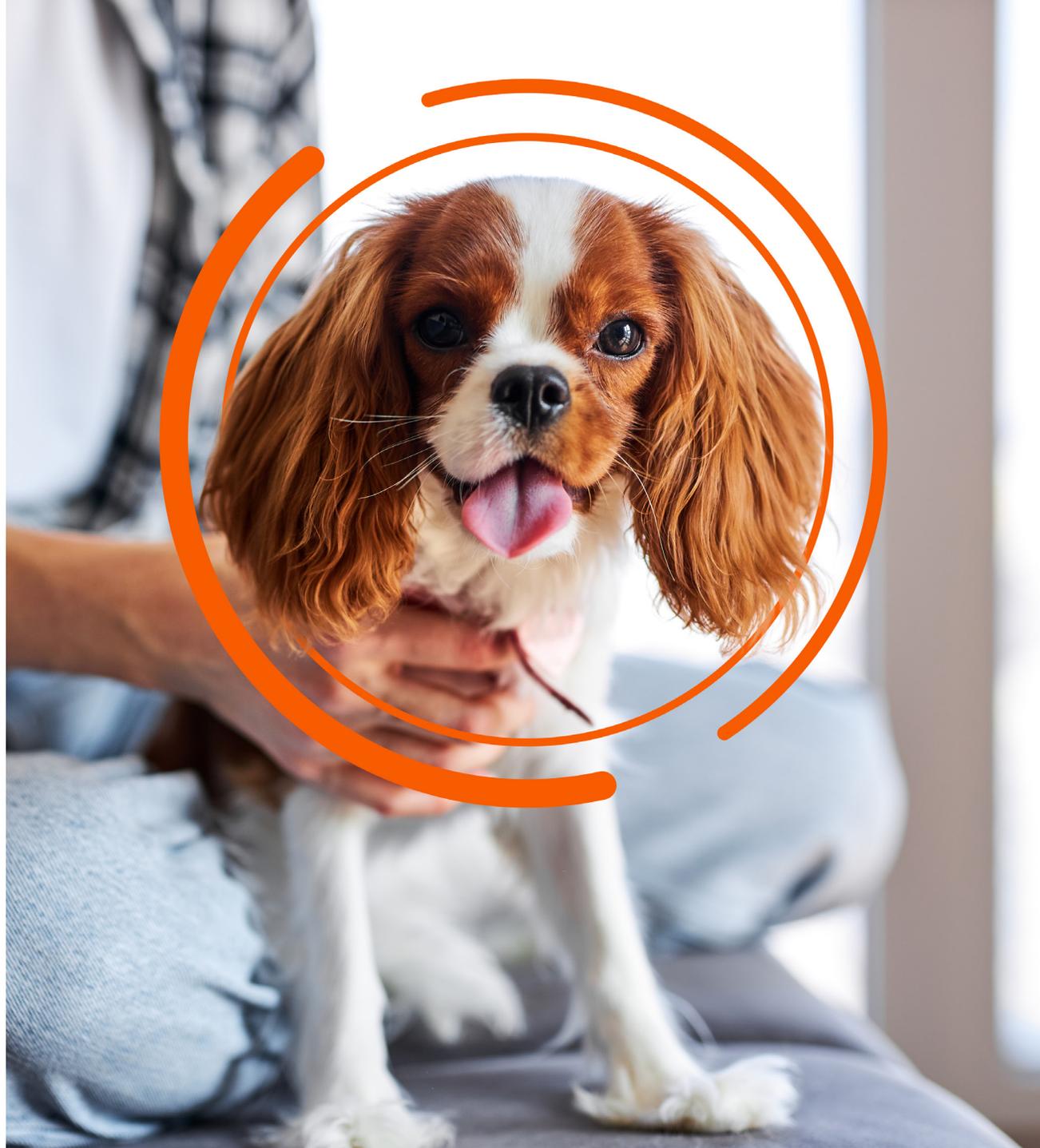
🧊💡 Refrigerate, protect from light

❄️ Freeze

❄️💡 Freeze, protect from light

🏠 Room temperature

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





# Canine/ Feline

[Canine/Feline](#) | [Large Animal](#) | [Avian, Exotic & Small Mammal](#) | [PCR](#)

# Bundle Overview

Our bundle menu offers comprehensive options organized into two categories:



## Wellness Bundles

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

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



## Clinical Bundles

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



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

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

# Junior and Adult Bundles Overview



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

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

## Junior Bundles

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

Select each code for full test details.

Components	Test Name	Test Code	Price
<b>Basic CBC, ClinChem 18 with SDMA, Urinalysis</b>	ZRL™ Junior Complete	JWP	\$51.01
+ HW	ZRL™ Junior Complete with HW	25001642	\$57.58
<b>Basic CBC, ClinChem 18 with SDMA, Ova and Parasite</b>	ZRL™ Junior with O&P	25001635	\$71.97
+ HW, Tick	ZRL™ Junior with O&P, HW, Tick	25001636	\$80.03
+ Giardia, HW, Tick	ZRL™ Junior with O&P, Giardia, HW, Tick	25001637	\$82.66
<b>Basic CBC, ClinChem 18 with SDMA</b>	ZRL™ Junior	25001634	\$48.65
+ T4	ZRL™ Junior with T4	25001641	\$64.85
+ HW	ZRL™ Junior with HW	25001638	\$54.86
+ HW, Tick	ZRL™ Junior with HW, Tick	25001639	\$66.85
+ PT/aPTT	ZRL™ Junior with PT/aPTT	25001640	\$61.86

## Adult Bundles

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

Components	Test Name	Test Code	Price
<b>Basic CBC, ClinChem 25 with SDMA, Urinalysis</b>	ZRL™ Adult Complete	AWP	\$50.74
+ O&P, HW, Tick	ZRL™ Adult Complete with O&P, HW, Tick	25001631	\$75.56
<b>Basic CBC, ClinChem 25 with SDMA, Ova and Parasite</b>	ZRL™ Adult with O&P	25001630	\$66.63
<b>Basic CBC, ClinChem 25 with SDMA</b>	ZRL™ Adult	25000501	\$43.64
+ HW	ZRL™ Adult with HW	25000502	\$50.21

# Senior Bundles Overview

## Senior Bundles

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



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

Upgrade any bundle 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	Price
<b>Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis</b>	ZRL™ Senior Complete	SWP	\$74.89
+ FT4	ZRL™ Senior Complete with FT4	25001656	\$87.24
+ HW, TG	ZRL™ Senior Complete with HW, TG	25001657	\$86.13
+ ZRL Premium Lipase (DGGR Lipase), TG	ZRL™ Senior Complete with ZRL Premium Lipase (DGGR Lipase), TG	25001655	\$82.15
+ O&P, FeLV/FIV	ZRL™ Senior Complete with O&P, FeLV/FIV	25001646	\$89.86
+ O&P, FeLV/FIV, HW	ZRL™ Senior Complete with O&P, FeLV/FIV, HW	25001647	\$103.31
+ O&P, Giardia	ZRL™ Senior Complete with O&P, Giardia	25001650	\$86.13
+ O&P, Giardia, HW, Tick	ZRL™ Senior Complete with O&P, Giardia, HW, Tick	25001651	\$103.17
+ 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	\$111.23
+ O&P, HW	ZRL™ Senior Complete with O&P, HW	25001648	\$113.32
+ O&P, HW, Tick	ZRL™ Senior Complete with O&P, HW, Tick	25001652	\$101.25
+ O&P, HW, Tick, UPC	ZRL™ Senior Complete with O&P, HW, Tick, UPC	25001654	\$113.96
+ O&P, fPLI	ZRL™ Senior Complete with O&P, fPLI	25001649	\$140.93
<b>Basic CBC, ClinChem 25 with SDMA, T4, O&amp;P</b>	ZRL™ Senior with O&P	25001643	\$71.50
+ HW	ZRL™ Senior with O&P, HW	25001644	\$78.54
<b>Basic CBC, ClinChem 25 with SDMA, T4</b>	ZRL™ Senior	SBASIC	\$59.46
+ FT4	ZRL™ Senior with FT4	25001645	\$74.31

# Clinically Focused Bundles

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



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

Upgrade any bundle 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	Price
ZRL™ Mature Cat	25000500	Basic	Mature Cat	✓	✓	✓	✓	✓	\$86.16
ZRL™ Critical Care	25000508	Basic	Critical Care	✓					\$46.01
ZRL™ Renal	25000478	Basic	Renal	✓		✓	✓		\$60.37
ZRL™ Metabolic	25000493	Basic	Metabolic	✓	✓	✓	✓	✓	\$77.24
ZRL™ Pre-Anesthetic	25000496	Basic	Pre-Anesthetic						\$25.72
ZRL™ Feline Hyperthyroid	25000490	Basic	Feline Hyperthyroid	✓	✓	✓	✓		\$59.93

## GI-Focused Bundles

Components	Test Code	ClinChem	ZRL Premium Lipase (DGGR Lipase)	Cbl	Fol	TLI	Cortisol	Giardia Ag	O&P	Price
ZRL™ Canine GI	25000491	25	✓	✓	✓	✓	✓			\$129.61
ZRL™ Canine GI with O&P, Giardia	25001632	25	✓	✓	✓	✓	✓	✓	✓	\$152.16
ZRL™ Feline GI	25000492	25	✓	✓	✓					\$100.47
ZRL™ Feline GI with O&P, Giardia	25001633	25	✓	✓	✓			✓	✓	\$101.02

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

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

[Canine/Feline](#) | [Large Animal](#) | [Avian, Exotic & Small Mammal](#) | [PCR](#)

# ClinChem Panels

Test Name	Test Code	Components	Recommended Use Case	Price
<b>ClinChem 18 with SDMA</b>	<b>25001624</b>	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	\$30.18
<b>ClinChem 25 with SDMA</b>	<b>25001625</b>	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	\$33.11
<b>Feline Hyperthyroid ClinChem</b>	<b>25000507</b>	BUN, Creat, K, Phos, Alb, ALT, SDMA, TT4	Monitoring feline hyperthyroid patients	\$23.26
<b>Metabolic ClinChem</b>	<b>25000512</b>	Glu, BUN, Creat, BUN:Creat Ratio, TP, ALP, ALT, Chol, Na, K, Na:K Ratio, Trig, Fructosamine, TT4	Monitoring diabetic patients	\$34.39
<b>Mini Renal ClinChem</b>	<b>25000513</b>	BUN, Creat, K, Phos, Alb	Monitoring renal disease	\$9.11
<b>Renal ClinChem</b>	<b>25000479</b>	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, P, CO2, AG, TP, ALB, Chol, Osmol(c), SDMA	Expanded renal disease monitoring	\$22.53
<b>Mature Cat ClinChem</b>	<b>25000482</b>	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	\$33.47
<b>Critical Care ClinChem, Canine/Feline</b>	<b>25000488</b>	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	\$10.88
<b>Liver ClinChem</b>	<b>25000510</b>	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, ALT, ALP, GGT, TBili, Chol	Monitoring liver disease	\$10.88
<b>NSAID ClinChem</b>	<b>25000514</b>	BUN, Creat, BUN:Creat Ratio, ALT	Monitoring effects of NSAID therapy	\$9.11
<b>Phenobarbital ClinChem</b>	<b>25000515</b>	Glu, Na, K, Creat, Ca, TP, Alb, ALT, ALP, TBili, Phenobarbital	Monitoring phenobarbital therapy	\$36.35
<b>Pre-Anesthetic ClinChem</b>	<b>25000516</b>	Glu, Na, K, Creat, Ca, TP, ALT, TBili	Health screen prior to anesthesia/sedation	\$9.11

# Bundles

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ZRL™ Junior Complete	JWP	●●●○ 1 mL serum or 2 mL EDTA whole blood, air-dried slides; 5 mL urine in WTT/sterile container	Basic CBC, ClinChem 18 with SDMA, Urinalysis	8 AM next day	\$51.01
ZRL™ Junior Complete with HW	25001642	●●●○ 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides; 5 mL urine in a WTT/sterile container	Basic CBC, ClinChem 18 with SDMA, Urinalysis, Heartworm Antigen	8 AM next day	\$57.58
ZRL™ Junior with O&P	25001635	●●●● 1 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides; 3g fresh feces	Basic CBC, ClinChem 18 with SDMA, Ova and Parasite	8 AM next day Fecal 5 PM next day	\$71.97
ZRL™ Junior with O&P, HW, Tick	25001636	●●●● 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides; 3g fresh feces	Basic CBC, ClinChem 18 with SDMA, Ova and Parasite, Heartworm Antigen, Tick Panel	8 AM next day Fecal 5 PM next day	\$80.03
ZRL™ Junior with O&P, Giardia, HW, Tick	25001637	●●●● 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides; 3g 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	\$82.66
ZRL™ Junior	25001634	●●● 1 mL serum or 2 mL EDTA whole blood (LTT), air-dried slide	Basic CBC, ClinChem 18 with SDMA	8 AM next day	\$48.65
ZRL™ Junior with T4	25001641	●●● 1 mL serum or 2 mL EDTA whole blood (LTT), air-dried slide	Basic CBC, ClinChem 18 with SDMA, T4	8 AM next day	\$64.85
ZRL™ Junior with HW	25001638	●●● 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slide	Basic CBC, ClinChem 18 with SDMA, Heartworm Antigen	8 AM next day	\$54.86
ZRL™ Junior with HW, Tick	25001639	●●● 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slide	Basic CBC, ClinChem 18 with SDMA, Heartworm Antigen, Tick Panel	8 AM next day	\$66.85

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Bundles (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ZRL™ Junior with PT/aPTT	25001640	●●●○ 1 mL serum or 2 mL EDTA whole blood (LTT), air-dried slide, 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	\$61.86
ZRL™ Adult Complete	AWP	●●●○● 1 mL serum or 2 mL EDTA whole blood, air-dried slides; 5 mL urine in WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, Urinalysis	8 AM next day	\$50.74
ZRL™ Adult Complete with O&P, HW, Tick	25001631	●●●○●● 2 mL serum or 2 mL EDTA whole blood, air-dried slides; 5 mL urine in WTT/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	\$75.56
ZRL™ Adult with O&P	25001630	●●●○● 1 mL serum or 2 mL EDTA whole blood, air-dried slides; 3-5g fresh feces	Basic CBC, ClinChem 25 with SDMA, Ova and Parasite	8 AM next day Fecal 5 PM next day	\$66.63
ZRL™ Adult	25000501	●●● 1 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides	Basic CBC, ClinChem 25 with SDMA	8 AM next day	\$43.64
ZRL™ Adult with HW	25000502	●●● 2 mL serum or 2 mL EDTA whole blood (LTT), air-dried slides	Basic CBC, ClinChem 25 with SDMA, Heartworm Antigen	8 AM next day	\$50.21
ZRL™ Senior Complete	SWP	●●●○ 1 mL serum or 2 mL EDTA whole blood, air-dried slides, 5 mL urine in WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis	8 AM next day	\$74.89

## Bundles (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ZRL™ Senior Complete with FT4	25001656	●●●○ 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 5 mL urine in WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, FT4	8 AM next day	\$87.24
ZRL™ Senior Complete with HW, TG	25001657	●●●○ 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 5 mL urine in WTT/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	\$86.13
ZRL™ Senior Complete with Zoetis Premium Lipase (DGGR), TG	25001655	●●●○ 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 5 mL urine in WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Zoetis Premium Lipase (DGGR), Triglycerides	8 AM next day 1-2 days	\$82.15
ZRL™ Senior	SBASIC	●●● 1 mL serum or 2 mL EDTA whole blood, air-dried slides	Basic CBC, ClinChem 25 with SDMA, T4	8 AM next day	\$59.46
ZRL™ Senior with O&P	25001643	●●●● 1 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces	Basic CBC, ClinChem 25 with SDMA, T4, O&P	8 AM next day Fecal 5 PM next day	\$71.50
ZRL™ Senior with O&P, HW	25001644	●●●● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces	Basic CBC, ClinChem25 with SDMA, T4, Ova and Parasite, Heartworm Antigen	8 AM next day Fecal 5 PM next day	\$78.54
ZRL™ Senior with FT4	25001645	●●● 2 mL serum or 2 mL EDTA whole blood, air-dried slides	Basic CBC, ClinChem25 with SDMA, T4, FT4	8 AM next day	\$74.31
ZRL™ Senior Complete O&P with FeLV/FIV	25001646	●●●● 1 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, FeLV/FIV	8 AM next day Fecal 5 PM next day	\$89.86

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Bundles (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ZRL™ Senior Complete O&P with FeLV/FIV, HW	25001647	●●●○● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$103.31
ZRL™ Senior Complete O&P with HW	25001648	●●●○● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen	8 AM next day Fecal 5 PM next day	\$113.32
ZRL™ Senior Complete O&P, HW, Tick, UPC	25001654	●●●○● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$113.96
ZRL™ Senior Complete O&P with fPLI	25001649	●●●○● 1 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$140.93
ZRL™ Senior Complete O&P with Giardia	25001650	●●●○● 1 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$86.13
ZRL™ Senior Complete O&P with Giardia, HW, Tick	25001651	●●●○● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$103.17
ZRL™ Senior Complete O&P with HW, Tick	25001652	●●●○● 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/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	\$101.25

## Bundles (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>ZRL™ Senior Complete O&amp;P with HW, Tick, Zoetis Premium Lipase (DGGR), TG</b>	<b>25001653</b>	●●●○ 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 3-5g fresh feces, 5 mL urine in a WTT/sterile container	Basic CBC, ClinChem 25 with SDMA, T4, Urinalysis, Ova and Parasite, Heartworm Antigen, Tick Panel, Zoetis Premium Lipase (DGGR), Triglycerides	8 AM next day Fecal 5 PM next day	\$111.23
<b>ZRL™ Critical Care</b>	<b>25000508</b>	●●●● 2 mL EDTA whole blood, air-dried slides, 1 mL serum, 5 mL urine in WTT/sterile container	Basic CBC, Critical Care ClinChem, Urinalysis	8 AM next day	\$46.01
<b>ZRL™ Feline Hyperthyroid</b>	<b>25000490</b>	●●●● 2 mL EDTA whole blood, air-dried slides, 2 mL serum, 5 mL urine in WTT/sterile container	Basic CBC, Feline Hyperthyroid ClinChem, Urinalysis, Reflex UPC	8 AM next day	\$59.93
<b>ZRL™ Mature Cat</b>	<b>25000500</b>	●●●● 2 mL EDTA whole blood, air-dried slides, 2 mL serum, 5 mL urine in WTT/sterile container	Basic CBC, Mature Cat ClinChem, SDMA, UA, Reflex UPC	8 AM next day	\$86.16
<b>ZRL™ Canine GI</b>	<b>25000491</b>	●● 2 mL serum in RTT	ClinChem 25, ZRL Premium Lipase (DGGR), Cobalamin, Folate, Cortisol, TLI	1-2 days	\$129.61
<b>ZRL™ Canine GI with O&amp;P, Giardia</b>	<b>25001632</b>	●● ZRL™ Canine GI: 2mL serum in RTT 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	\$152.16
<b>ZRL™ Complete Coccidioides</b>	<b>25001711</b>	●●●○ 2 mL serum or 2 mL EDTA whole blood, air-dried slides, 2 mL EDTA whole blood, air-dried slides, 5 mL urine in a WTT/sterile container	ClinChem 25 w/ SDMA, Basic CBC, UA, Coccidioides Ab Screening Test, Ehrlichia canis IFA, Triglycerides, ZRL Premium Lipase (DGGR)	2-3 days	\$130.03
<b>ZRL™ Feline GI</b>	<b>25000492</b>	●● 2 mL serum in SST or RTT	ClinChem 25, ZRL Premium Lipase (DGGR), Cobalamin, Folate	1-2 days	\$100.47

## Bundles (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>ZRL™ Feline GI with O&amp;P, Giardia</b>	<b>25001633</b>	●●● ZRL™ Feline GI: 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	\$101.02
<b>ZRL™ Metabolic</b>	<b>25000493</b>	●●●● 2 mL EDTA whole blood, air-dried slides, 1 mL serum, 5 mL urine in WTT/sterile container	Basic CBC, Metabolic ClinChem, Urinalysis, Reflex UPC	1-3 days	\$77.24
<b>ZRL™ Pre-Anesthetic</b>	<b>25000496</b>	●●● 1 mL serum or 2 mL EDTA whole blood, air-dried slides	Basic CBC, Pre-Anesthetic ClinChem	8 AM next day	\$25.72
<b>ZRL™ Renal</b>	<b>25000478</b>	●●●● 2 mL EDTA whole blood, air-dried slides, 1 mL serum, 5 mL urine in WTT/sterile container	Basic CBC, Renal ClinChem with SDMA, Urinalysis, Reflex UPC	8 AM next day	\$60.37
<b>Urinalysis with Urine Culture &amp; Sensitivity</b>	<b>25001629</b>	○● Urinalysis: 5 mL urine in WTT/sterile container Urine C&S: 1 mL urine in WTT or sterile container	Urinalysis, Urine Culture & Sensitivity	Urinalysis: 8 AM next day Urine C&S: 1-5 days	\$82.17
<b>Canine Diarrhea PCR<sup>†</sup> with O&amp;P, Giardia Ag</b>	<b>25001623</b>	O&P: 5g fresh feces <i>Giardia</i> Ag: 3g fresh feces Diarrhea Panel: feces, fecal swab or GI tissue. Minimum 1 g 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	\$107.91



# Hematology/Coagulation

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Basic CBC, Canine/Feline (Healthy, Non-geriatric)</b>	<b>2000</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>2 mL EDTA whole blood, air-dried slides</li> <li></li> </ul>	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	\$18.19
<b>Comprehensive CBC, Canine/Feline</b>	<b>CBCC</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>2 mL EDTA whole blood, air-dried slides</li> <li></li> </ul>	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*	\$29.96
<b>Pathologist Review</b>	<b>PATH</b>		Blood smear review by pathologist when ordered pre-emptively. Only comprehensive CBCs are eligible for pathologist review.	1-2 days	\$80.25
<b>Comprehensive CBC Upgrade (add to Bundle)</b>	<b>CBCCUP</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>2 mL EDTA whole blood, air-dried slides</li> <li></li> </ul>	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*	\$11.77
<b>Reticulocyte</b>	<b>RETIC</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>1 mL EDTA whole blood</li> <li></li> </ul>	RBC, % Reticulocyte, Reticulocyte	8 AM next day	\$18.54
<b>Heartworm Antigen Test</b>	<b>6001</b>	<ul style="list-style-type: none"> <li>SST, RTT, LTT</li> <li>0.25 mL of serum or EDTA plasma</li> <li></li> </ul>	DiroCHEK® Ag ELISA	8 AM next day	\$10.52
<b>Heartworm Antigen with Heat Treatment</b>	<b>HWHEAT</b>	<ul style="list-style-type: none"> <li>SST, RTT, LTT</li> <li>0.5 mL plasma or serum (or 1 mL whole blood)</li> </ul>	DiroCHEK® Ag ELISA	1-2 days	\$25.48

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

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Heartworm Antigen Test (Alternate Methodology)</b>	<b>25000533</b>	<p>●●● SST, RTT, LTT 0.5 mL serum or EDTA plasma or whole blood</p> 	WITNESS® Heartworm Ag lateral flow assay	8 AM next day	\$12.71
<b>Feline Heartworm Antibody (ELISA)†</b>	<b>6007</b>	<p>●● SST, RTT 1 mL serum</p> 		5-7 days	\$142.70
<b>Antithrombin (AT3)†</b>	<b>ANTTHRO3</b>	<p>●○ BTT, WTT 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</p> 		3-5 days	\$114.64
<b>Blood Typing</b>	<b>BLTYP</b>	<p>● LTT 0.5 mL EDTA whole blood</p> 		8 AM next day	\$114.61
<b>Crossmatch, One Donor</b>	<b>XMTCH1</b>	<p>●●● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor</p> 	Blood pigtailed also accepted as donor specimens.	8 AM next day	\$63.65
<b>Crossmatch, Two Donors</b>	<b>XMTCH2</b>	<p>●●● RTT, LTT 1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor</p> 	Blood pigtailed also accepted as donor specimens.	8 AM next day	\$114.61

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Crossmatch, Three Donors	XMTCH3	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor</li> <li></li> </ul>	Blood pigtails also accepted as donor specimens.	8 AM next day	\$152.85
Crossmatch, Additional Donor	XMTCHX	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>1 mL serum AND 1 mL EDTA whole blood required for recipient and each donor</li> <li></li> </ul>	Blood pigtails also accepted as donor specimens.	8 AM next day	\$38.18
DIC Panel†	6565	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li></li> </ul>	aPTT, PT, Fibrinogen, Antithrombin, D-Dimer	2-5 days	\$185.25



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Flow Cytometry†	FLOW	<ul style="list-style-type: none"> <li>LTT</li> </ul> 1 mL sample in EDTA. May be performed on blood, bone marrow, cavity fluid, or tissue aspirate. 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.		3-7 days	\$230.05
Flow Cytometry with CBC†	FLOWCBC	<ul style="list-style-type: none"> <li>LTT</li> </ul> May be performed on peripheral blood only. ZRL will perform a Comprehensive CBC using additional blood included in submission. For Flow Cytometry: 1 mL EDTA whole blood (LTT). For CBC: 2 mL EDTA whole blood (LTT)		3-7 days	\$279.27

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Hemophilia Panel, Canine/Feline†</b>	<b>HEMO</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>	aPTT, PT, TCT, Factor VIII:C, Factor IX:C, vWF:Ag	3-5 days	\$154.23
<b>Iron, Serum/Plasma, Canine†</b>	<b>IRON</b>	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> <li>0.5 mL separated serum or heparinized plasma</li> <li>📄</li> </ul>		3-5 days	\$84.14
<b>Iron Profile†</b>	<b>IRONPRO</b>	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> <li>0.5 mL serum or heparinized plasma</li> <li>📄</li> </ul>	Iron, TIBC, and Ferritin	7-10 days	\$142.99
<b>Platelet Surface Associated Antibody†</b>	<b>PBA</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1 mL EDTA whole blood</li> <li>📄</li> </ul>		4-7 days	\$147.40
<b>Protein C†</b>	<b>PROC</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>		2-3 days	\$118.92
<b>PT &amp; aPTT</b>	<b>4101</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>		8 AM next day	\$25.48

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
von Willebrand factor (vWF:Ag) <sup>†</sup>	4106	<ul style="list-style-type: none"> <li>○ BTT, WTT</li> </ul> 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT). Freeze. Ship in insulated container with ice packs for next-day delivery 		3-5 days	\$110.89
Buffy Coat	6295	<ul style="list-style-type: none"> <li>● LTT</li> </ul> 1 mL EDTA whole blood 		1-2 days	\$108.25
D-Dimer	4104	<ul style="list-style-type: none"> <li>○ BTT, WTT</li> </ul> 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 	Semiquantitative D-Dimer assay	1-2 days	\$40.76
Direct Coombs	2701	<ul style="list-style-type: none"> <li>● LTT</li> </ul> 2 mL EDTA whole blood 		1-2 days	\$63.65
Fibrinogen, Canine/Feline	4103	<ul style="list-style-type: none"> <li>● BTT</li> </ul> Citrated whole blood filled according to tube manufacturer 		2-3 days (3-4 days for feline samples)	\$25.48

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Hemostasis Panel, Canine/Feline†</b>	<b>6560</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>2-3 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>	aPTT, PT, TCT, vWF:Ag	3-5 days	\$125.34
<b>Visual Platelet Estimate</b>	<b>2211</b>	<ul style="list-style-type: none"> <li>1 mL EDTA or citrated whole blood, air-dried slides</li> <li>📄</li> </ul>		8 AM next day	\$18.55
<b>Technician Blood Smear Review</b>	<b>SMREV</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>2 unstained, air-dried slides; include 2 mL EDTA whole blood, if possible (for in-lab preparation of smears)</li> <li>📄 Blood</li> <li>🏠 Slides</li> </ul>	Morphologic review of RBC, WBC, and platelets; Manual WBC Differential, and Visual Platelet Estimate. If indicated based on morphologic findings, a Pathologist Review will be included.	8 AM next day If pathologist review added, TAT is delayed	\$17.80
<b>Coagulation Panel, Canine/Feline (Cornell)†</b>	<b>COAGFA</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>	aPTT, PT, TCT	2-3 days	\$104.47
<b>Clotting Factor FIX†</b>	<b>FACTORIX</b>	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> <li>2 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT)</li> <li>❄</li> </ul>		2-3 days	\$91.10

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Clotting Factor FVIII <sup>†</sup>	FACTORVIII	<ul style="list-style-type: none"> <li>○ BTT, WTT</li> </ul> 2 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 		2-3 days	\$91.10
Clotting Factor FX <sup>†</sup>	FACX	<ul style="list-style-type: none"> <li>○ BTT, WTT</li> </ul> 2 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 		2-3 days	\$91.10
Erythropoietin (EPO) <sup>†</sup>	50227	<ul style="list-style-type: none"> <li>○ SST or plasma separator tube</li> </ul> 1-2 mL plasma or serum from SST or plasma separator tube (EDTA plasma not acceptable)		5-7 days	\$185.25
<i>Babesia</i> Blood Smear <sup>†</sup>	BABBLDSMR	<ul style="list-style-type: none"> <li>● LTT</li> </ul> 2 mL EDTA whole blood 	Giemsa blood smear examination for <i>Babesia</i> organisms (available for export animals only)	3-5 days	\$78.69
Clotting Factor FXII <sup>†</sup>	FACTORXII	<ul style="list-style-type: none"> <li>○ BTT, WTT</li> </ul> 2 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 		2-3 days	\$91.10

# Hematology/Coagulation (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Low Molecular Weight Heparin†	LMWHEPARIN	<ul style="list-style-type: none"> <li>● BTT</li> </ul> 0.5 mL citrated plasma (frozen) 	Anti-Xa activity of LMWH	2-3 days	\$118.38
Coagulation Panel and Fibrinogen, Canine/Feline†	25001390	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> </ul> 1 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) and frozen 	aPTT, PT, TCT, and Fibrinogen	2-3 days	\$112.50
ZRL™ Coagulation Panel I	COAG	<ul style="list-style-type: none"> <li>● ● LTT, BTT</li> </ul> 1 mL EDTA whole blood and 0.5 mL separated citrated plasma	PT, aPTT, Platelet Count, Total Plasma Protein	8 AM next day	\$95.23
ZRL™ Coagulation Panel II	25001391	<ul style="list-style-type: none"> <li>● ○ BTT, WTT</li> </ul> 0.5 mL separated citrated plasma. The plasma should be aliquoted into a plain tube with no additive (WTT) 	PT, aPTT, Fibrinogen, D-Dimer	2-3 days	\$91.71



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

## Chemistry Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Feline Hyperthyroid ClinChem</b>	<b>25000507</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>2 mL serum</li> <li></li> </ul>	BUN, Creat, K, Phos, Alb, ALT, SDMA, TT4	8 AM next day	\$23.26
<b>Metabolic ClinChem</b>	<b>25000512</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>2 mL serum</li> <li></li> </ul>	Glu, BUN, Creat, BUN:Creat Ratio, TP, ALP, ALT, Chol, Na, K, Na:K Ratio, Trig, Fructosamine, TT4	1-3 days	\$34.39
<b>Renal ClinChem</b>	<b>25000479</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>2 mL serum</li> <li></li> </ul>	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, P, FeLV CO2, AG, TP, ALB, Chol, Osmol(c), SDMA	8 AM next day	\$22.53
<b>Mature Cat ClinChem</b>	<b>25000482</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>1 mL serum</li> <li></li> </ul>	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	\$33.47
<b>Critical Care ClinChem, Canine/Feline</b>	<b>25000488</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, BUN, Creat, BUN:Creat Ratio, TP, Alb, Na, K, Na:K Ratio, Cl, CO2, Anion Gap, TBili, Osmol(c)	8 AM next day	\$10.88
<b>Liver ClinChem</b>	<b>25000510</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, ALT, ALP, GGT, TBili, Chol	8 AM next day	\$10.88
<b>Mini Renal ClinChem</b>	<b>25000513</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>1 mL serum</li> <li></li> </ul>	BUN, Creat, K, Phos, Alb	8 AM next day	\$9.11
<b>NSAID ClinChem</b>	<b>25000514</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>	BUN, Creat, BUN:Creat Ratio, ALT	8 AM next day	\$9.11

## Chemistry Panels (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Phenobarbital ClinChem	25000515	<ul style="list-style-type: none"> <li>● RTT</li> </ul> 2 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	\$36.35
Pre-Anesthetic ClinChem	25000516	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> </ul> 1 mL serum 	Glu, Na, K, Creat, Ca, TP, ALT, TBili	8 AM next day	\$9.11
ClinChem 18	CHEM18	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> </ul> 0.5 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	\$20.33
ClinChem 18 with SDMA	25001624	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> </ul> 0.5 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	\$30.18
ClinChem 25	1000	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> </ul> 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, CO2, Anion Gap, Mg, AST, GGT, CK, Osmol(c)	8 AM next day	\$26.75
ClinChem 25 with SDMA	25001625	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> </ul> 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, CO2, Anion Gap, Mg, AST, GGT, CK, Osmol(c), SDMA	8 AM next day	\$33.11

## Individual Chemistry Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Triglycerides	1023	●● SST or RTT 0.5 mL serum 		8 AM next day	\$8.93
SDMA	7037	●● SST or RTT 0.5 mL serum 		8 AM next day	\$18.00
Bile Acids Pre/Resting	6180	●● SST or RTT 0.5 mL serum 		1-2 days	\$27.99
Bile Acids Post	6181	●● SST or RTT 0.5 mL serum 		1-2 days	\$27.99
Free (Ionized) Calcium	IONISTAT	● 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	\$50.95
Free (Ionized) Calcium (Mich. State Univ.)†	6304	● RTT 0.75 mL serum, separated 		3-6 days	\$79.86
LDH†	LDH	●● RTT or GRNTT 0.5 mL separated serum or heparinized plasma (effusion fluid and urine also accepted) 		3-5 days	\$87.35

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Osmolality <sup>†</sup>	OSMOLAL	●● RTT or GRNTT 1 mL separated heparinized or EDTA plasma 		2-3 days	\$95.91
Albumin	1001	●● SST or RTT 0.5 mL serum 		8 AM next day	\$7.10
Canine C-reactive Protein (CRP) <sup>†</sup>	CRP	●●● RRT, GRNTT or LTT 0.5 mL serum or plasma (heparinized or EDTA) 		5-7 days	\$142.70
High-Sensitivity Cardiac Troponin I <sup>†</sup>	TROPONIN	●● SST or RTT 0.5 mL non-hemolyzed serum (frozen) 		4-5 days	\$136.57
Corticosteroid-Induced Alk Phos (CIALP) <sup>†</sup>	CIALP	●●● SST, RTT or GRNTT 0.5 mL serum or heparinized plasma 		2-3 days	\$148.72
NT-proBNP <sup>†</sup>	PROBNP	●●● LTT, SST or RTT 1 mL EDTA plasma (canine, feline) or 1 mL serum (feline only) 		3-7 days	\$170.65
ALT	1002	●● SST, RTT 0.5 mL serum 		8 AM next day	\$8.75

# Chemistry (cont'd)

KEY

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ALP (Alk Phos)	1003	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
AST	1005	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
BUN	1006	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Chloride	1007	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
Calcium (Total Calcium)	1008	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Cholesterol	1009	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Creatinine	1010	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Creatinine Kinase (CK)	1011	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.10

# Chemistry (cont'd)

KEY

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
GGT	1013	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
Glucose	1014	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Magnesium	1016	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
Phosphorus	1017	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Potassium	1018	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$8.75
Sodium	1019	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
CO2	1020	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49
Total Bilirubin	1021	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$7.49

# Chemistry (cont'd)

KEY

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Total Protein</b>	<b>1022</b>	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum</li> </ul> 		8 AM next day	\$7.49
<b>Glomerular Filtration Rate (Iohexol Clearance)†</b>	<b>GFRIC</b>	<ul style="list-style-type: none"> <li>● SST or RTT</li> <li>0.5 mL serum (3 samples required)</li> </ul> 	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	\$195.42

## Urine

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Urinalysis</b>	<b>3000</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>5 mL urine in YTT/sterile container</li> </ul> 		8 AM next day	\$16.95
<b>Urinalysis with Urine Culture &amp; Sensitivity</b>	<b>25001629</b>	Urinalysis: 5 mL urine in YTT/sterile container Urine C&S: 1 mL urine in YTT or sterile container		Urinalysis: 8 AM next day Urine C&S: 1-5 days	\$82.17
<b>Urine Protein:Creatinine Ratio</b>	<b>1555</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>5 mL urine in YTT/sterile container</li> </ul> 	Urine Creatinine, Urine Protein, Urine Protein:Creatinine Ratio	8 AM next day	\$16.95

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Urine (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Urinalysis with Reflex UPC	25000521	<ul style="list-style-type: none"> <li>● Urine</li> </ul> 5 mL urine in YTT/sterile container 	An automatic Urine Protein:Creatinine Ratio will be performed when proteinuria is present.	8 AM next day	\$23.25
Urinalysis with Reflex UPC upgrade	25001702	<ul style="list-style-type: none"> <li>○ ● WTT, Urine</li> </ul> 5 mL urine in sterile container 	Add to ZRL Bundles including Urinalysis		\$6.30
Urine Electrolyte Panel (for Fractional Excretion) <sup>†</sup>	FREXCRE	<ul style="list-style-type: none"> <li>● Urine</li> </ul> Sterile Leakproof Container YTT/Sterile Leakproof Container 2 mL urine in a YTT/Sterile Leakproof 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	\$118.38
Stone Analysis <sup>†</sup>	7032	Dry stones in sterile container with no additive 		4-9 days	\$109.82



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Endocrinology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Total T4	5102	●● SST or RTT 0.5 mL serum 		8 AM next day	\$16.95
Free T4	5103	●● SST or RTT 0.5 mL serum 		8 AM next day	\$19.80
TSH	5106	●● SST or RTT 0.5 mL serum 		8 AM next day (1-2 days for feline samples)	\$16.08
Thyroid Panel	25000484	●● SST or RTT 1 mL serum 	TT4, FT4, TSH	8 AM next day (1-2 days for feline samples)	\$29.43
Free T4 by ED†	6330	● RTT 0.5 mL serum, separated and frozen 	Ship frozen on ice.	5-7 days	\$120.52
Thyroglobulin Autoantibody†	6437	● RTT 0.5 mL serum, separated		3-5 days	\$94.84
Total T3 (TT3), Canine/Feline†	1396	● RTT 1.5 mL serum, separated or heparinized plasma		2-5 days	\$79.28
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	\$150.48
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	\$147.40

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>OFA Thyroid Panel, Canine†</b>	<b>K9THYROID</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>2 mL serum, separated</li> <li>❄️</li> </ul>	<p>TT4, TT3, FT4 by ED, TSH, TgAA, T4AA, and T3AA Ship frozen on ice.</p> <p>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: <a href="http://www.ofa.org">www.ofa.org</a>. 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.</p>	2-3 weeks	\$148.34
<b>Fructosamine</b>	<b>1024</b>	<ul style="list-style-type: none"> <li>●● SST or RTT</li> <li>0.5 mL serum</li> <li>📄</li> </ul>		1-3 days	\$22.55
<b>Insulin:Glucose Ratio†</b>	<b>MSUIG</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>1 mL serum, separated.</li> <li>Freeze SEPARATED serum prior to shipping.</li> <li>📄</li> </ul>	Ship on ice. Customer service may assist with frozen package pickup.	3-7 days	\$142.70
<b>Malignancy (Hypercalcemia) Panel†</b>	<b>6555</b>	<ul style="list-style-type: none"> <li>●● RRT and LTT</li> <li>1 mL serum AND 0.5 mL EDTA plasma, both separated and frozen.</li> <li>❄️</li> </ul>	<p>PTH, PTHrp, Free (Ionized) Calcium</p> <p>Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service may assist with frozen package pickup.</p>	5-7 days	\$156.90
<b>Parathyroid Panel†</b>	<b>6306</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>1 mL serum, separated and frozen</li> <li>❄️</li> </ul>	<p>PTH, Free (Ionized) Calcium</p> <p>Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service may assist with frozen package pickup.</p>	5-7 days	\$122.16
<b>Parathyroid Hormone-Related Protein (PTHrP)†</b>	<b>PTHRP</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1 mL EDTA plasma, separated and frozen</li> <li>❄️</li> </ul>	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service may assist with frozen package pickup.	5-7 days	\$126.94

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Vitamin D (25-hydroxyvitamin D3)<sup>†</sup></b>	<b>VITD</b>	● RTT 0.75 mL serum, separated and frozen 	Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service may assist with frozen package pickup.	4-10 days	\$130.54
<b>Vitamin D Profile<sup>†</sup></b>	<b>VITP</b>	● 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 may assist with frozen package pickup.	3-9 days	\$140.53
<b>Cortisol (Baseline/Resting)</b>	<b>5101</b>	● ● SST or RTT 0.5 mL serum 		8 AM next day (1-2 days for feline/equine samples)	\$16.08
<b>ACTH Stimulation (2 samples)</b>	<b>6100</b>	● ● SST or RTT 0.5 mL serum each sample (2 samples required) 		8 AM next day (1-2 days for feline samples)	\$30.57
<b>ACTH Stimulation (3 samples)</b>	<b>6101</b>	● ● SST or RTT 0.5 mL serum each sample (3 samples required) 		8 AM next day (1-2 days for feline samples)	\$45.85
<b>Cortisol (Single Sample, Post-<sup>†</sup>ACTH)</b>	<b>CORTPOST</b>	● ● SST or RTT 0.5 mL serum 	This test code is intended to support submission of a single, post- <sup>†</sup> 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)	\$22.95
<b>Dexamethasone Suppression (2 samples)</b>	<b>6103</b>	● ● SST or RTT 0.5 mL serum each sample (2 samples required) 		8 AM next day (1-2 days for feline samples)	\$30.57

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Dexamethasone Suppression (3 samples)</b>	<b>6104</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>0.5 mL serum each sample (3 samples required)</li> <li></li> </ul>		8 AM next day (1-2 days for feline samples)	\$50.95
<b>Urine Cortisol:Creatinine Ratio</b>	<b>3310</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>1 mL in YTT/sterile container</li> <li></li> </ul>		8 AM next day (1-2 days for feline samples)	\$70.06
<b>Adrenal Panel (with ACTH Stimulation), Canine/Feline†</b>	<b>ACTHADR</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>2 mL serum each, separated (2 samples)</li> <li></li> </ul>	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	\$288.90
<b>17-Hydroxyprogesterone, Pre &amp; Post-(ACTH Stim)†</b>	<b>17HPROG</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum, separated</li> <li></li> </ul>	Requires two samples. Testing may be performed on canines and neutered felines.	7-10 days	\$91.63
<b>Aldosterone Baseline†</b>	<b>ALDOS</b>	<ul style="list-style-type: none"> <li>● ● ● LTT or SST, RTT</li> <li>0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood.</li> <li></li> </ul>	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	\$100.19
<b>Aldosterone Post†</b>	<b>ALDOSPOST</b>	<ul style="list-style-type: none"> <li>● ● ● LTT or SST, RTT</li> <li>0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood.</li> <li></li> </ul>	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	\$96.92

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Endogenous ACTH, Canine†</b>	<b>25001384</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>0.5 mL EDTA plasma (separated and frozen)</li> <li></li> </ul>	<p>Centrifuge immediately and pipette EDTA plasma into a sterile, no-additive, plastic tube. Glass tubes should not be used.</p> <p>Freeze sample. Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Customer service may assist with frozen package pickup.</p>	2-5 days	\$105.54
<b>Reproductive Hormone Panel†</b>	<b>RHP</b>	<ul style="list-style-type: none"> <li>LTT, RTT (no SST)</li> <li>2 mL serum or plasma (no SST)</li> </ul>	Estrogen, Progesterone, Testosterone	5-10 days	\$153.71
<b>Estradiol, Baseline†</b>	<b>ESTRADIOL</b>	<ul style="list-style-type: none"> <li>RTT</li> <li>0.5 mL serum, separated</li> <li></li> </ul>		7-10 days	\$99.12
<b>Testosterone, Baseline†</b>	<b>TESTOS</b>	<ul style="list-style-type: none"> <li>RTT</li> <li>2 mL serum or EDTA</li> <li></li> </ul>		2-9 days	\$96.98
<b>Testosterone Post-HCG/GnRH†</b>	<b>TESTPOST</b>	<ul style="list-style-type: none"> <li>RTT, LTT</li> <li>1 mL serum or EDTA plasma</li> <li></li> </ul>		3-8 days	\$89.49
<b>Progesterone</b>	<b>5105</b>	<ul style="list-style-type: none"> <li>RTT</li> <li>0.5 mL serum</li> <li></li> </ul>	Serum separator gel may affect results.	8 AM next day	\$44.60
<b>Anti-Müllerian Hormone†</b>	<b>5555</b>	<ul style="list-style-type: none"> <li>RTT</li> <li>0.5 mL non-hemolyzed serum, separated and frozen</li> <li></li> </ul>	Ship frozen and on ice. Sample should not be stored in a refrigerator for more than 2 days. Wait 30 days after spay or remnant removal surgery before testing.	5-8 days	\$148.34
<b>Ovarian Remnant Syndrome†</b>	<b>OVR5</b>	<ul style="list-style-type: none"> <li>RTT</li> <li>0.5 mL serum, separated and frozen</li> <li></li> </ul>	Anti-Müllerian Hormone, Progesterone Ship frozen on ice. Wait 30 days after spay or remnant removal surgery before testing.	8-10 days	\$160.00

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Luteinizing Hormone (LH), Canine/Feline	LH	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li> same day</li> </ul>		8 AM next day	\$70.06
Pregnancy Test (Relaxin), Canine/Feline	6009	<ul style="list-style-type: none"> <li>● ● ● SST, RTT or LTT</li> <li>0.5 mL serum or EDTA plasma</li> <li></li> </ul>	Relaxin degrades rapidly at room temperature. Keep refrigerated until shipment. Ship on ice packs.	1-2 days	\$57.30
Insulin-like Growth Factor†	ILGROFAC	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>0.5 mL serum or EDTA plasma</li> <li></li> </ul>		5-10 days	\$139.78
Gastrin†	GASTRIN	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum, separated and frozen</li> <li></li> </ul>	Fast patient for 12 hours. Freeze sample. Sample must arrive frozen to the laboratory. Shipping on dry ice is recommended. Alternatively, ship on ice packs. Customer service may assist with frozen package pickup.	3-12 days	\$113.03
Metanephrines, Plasma-free†	METAPLAS	<ul style="list-style-type: none"> <li>● ● LTT, GRNTT</li> <li>2 mL EDTA or heparinized plasma, separated and frozen</li> <li></li> </ul>	Centrifuge and separate plasma within 1 hr of collection. Freeze immediately. Ship on dry ice. Customer service may assist with frozen package pickup.	5-7 days	\$216.78
Metanephrines, Urine Fractionated†	METAUR	<ul style="list-style-type: none"> <li>● Urine</li> <li>2.5-4 mL urine in YTT/sterile container</li> <li></li> </ul>	Freeze immediately. Ship on dry ice. Customer service may assist with frozen package pickup.	5-7 days	\$115.86



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# GI/Pancreatic

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
ZRL Premium Lipase (DGGR Lipase)	1030	● ● SST, RTT 0.5 mL serum 		8 AM next day	\$12.53
ZRL Premium (DGGR Lipase), TLI, Cobalamin, and Folate, Canine	7250	● ● SST, RTT 2 mL serum  		1-2 days	\$165.55
Pancreatic Lipase Immunoreactivity (PLI), Canine (TX GI)†	PLITX	● ● SST, RTT 0.5 mL separated serum 		3-5 days	\$125.87
Pancreatic Lipase Immunoreactivity (PLI), Feline (TX GI)†	7240	● ● SST, RTT 0.5 mL separated serum 		2-5 days	\$125.87
Amylase (Mich. State Univ.)†	1004	● SST 0.5 mL serum 		2-3 days	\$88.32
PLI, Cobalamin, and Folate, Canine/Feline (TX GI)†	FEPLICOFOL	● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days	\$125.87
PLI, TLI, Cobalamin, and Folate, Canine (TX GI)†	K9PTCFTX	● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days	\$160.00
PLI and TLI, Feline (TX GI)†	7253	● ● SST, RTT 1 mL separated serum 		2-5 days	\$128.45

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## GI/Pancreatic (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
PLI, TLI, Cobalamin, and Folate, Feline (TX GI)†	7251	● ● SST, RTT 2 mL separated non-hemolyzed serum  		2-5 days	\$160.00
TLI, Canine	6206	● ● SST, RTT 		1-2 days	\$53.52
Trypsin-Like Immunoreactivity (TLI), Feline (TX GI)†	6203	● ● SST, RTT 0.2 mL separated serum 		2-5 days	\$98.05
TLI, Cobalamin, and Folate, Canine	7252	● ● SST, RTT 2 mL serum  		1-2 days	\$108.25
TLI, Cobalamin, and Folate, Feline (TX GI)†	F7251	● ● SST, RTT 1 mL separated non-hemolyzed serum  		2-5 days	\$125.87
Cobalamin (Vitamin B12)	6207	● ● SST, RTT 1 mL separated serum  		1-2 days	\$38.18
Folate	6208	● ● SST, RTT 1 mL serum  		1-2 days	\$38.18
Cobalamin and Folate	KFCOFO	● ● SST, RTT 2 mL serum  		1-2 days	\$63.65

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## GI/Pancreatic (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Microbiota Dysbiosis Index, Canine†</b>	<b>DYSINDEX</b>	● 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	\$119.65
<b>Fecal Occult Blood</b>	<b>7255</b>	● Feces 1-3 gm fresh feces 		1-2 days	\$38.18

## Fecal/Parasitology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Ova and Parasite (Centrifugal Fecal Flotation) Test</b>	<b>2320A</b>	● Feces 3-5g fresh feces 	Fecal floatation by sugar solution. Recommended for most comprehensive fecal parasite assessment.	Next day by 5 PM	\$16.80
<b>Giardia Focused O&amp;P</b>	<b>25001611</b>	● Feces 3-5g fresh feces 	Fecal floatation by zinc sulfate. Recommended for diagnosis of Giardiasis.	Next day by 5 PM	\$10.70
<b>O&amp;P (Centrifugal Fecal Flotation) Panel</b>	<b>25001613</b>	● Feces 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	\$21.41
<b>Giardia Antigen Test</b>	<b>2321</b>	● Feces 3 gm fresh feces 	<i>Giardia</i> Ag ELISA	Next day by 5 PM	\$13.16
<b>Ova and Parasite (Centrifugal Fecal Flotation) Test and Giardia Antigen Test</b>	<b>2320</b>	● Feces 5 gm fresh feces 	Fecal floatation by sugar solution and <i>Giardia</i> Ag ELISA	Next day by 5 PM	\$19.48

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Fecal/Parasitology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Fecal Direct Smear Test</b>	<b>25001610</b>	● Feces 1-3 g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-3 days	\$8.01
<b><i>Giardia</i> &amp; <i>Cryptosporidium</i> IFA, Canine/Feline</b>	<b>2404</b>	● Feces 3-5 gm fresh feces 	<i>Giardia</i> and <i>Cryptosporidium</i> spp. Ag by IFA. Not recommended for use in birds/reptiles.	1-4 days	\$39.50
<b>O&amp;P (Centrifugal Fecal Flotation) with Direct Smear</b>	<b>25001614</b>	● Feces 5g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-3 days	\$18.71
<b>Fecal Sedimentation Test</b>	<b>25001612</b>	● Feces 10 g fresh feces 	Feces in sealed, leakproof container or plastic bag with excess air expressed	1-4 days	\$53.47
<b>McMaster (Fecal Egg Counting) Test</b>	<b>2328</b>	● Feces 5 gm fresh feces 	Quantitative fecal egg count	1-2 days	\$25.48
<b>Centrifugal Fecal Flotation Test (O&amp;P) &amp; McMaster (Fecal Egg Counting) Test</b>	<b>25000487</b>	● Feces 8-10 gm fresh feces 	Fecal floatation by sugar solution and quantitative fecal egg count.	1-2 days	\$25.48
<b>Baermann Test (Lungworm)</b>	<b>BAER</b>	● Feces 10 gm fresh feces 		1-4 days	\$53.47
<b>Heartworm Antigen Test</b>	<b>6001</b>	●●● SST, RTT, LTT 0.5 mL serum or EDTA plasma 	DiroCHEK® HW Ag ELISA	8 AM next day	\$10.52
<b>Heartworm Antigen with Heat Treatment</b>	<b>HWHEAT</b>	●●● SST, RTT, LTT 0.5 mL serum or EDTA plasma 	DiroCHEK® HW Ag ELISA	1-2 days	\$25.48

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Fecal/Parasitology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Heartworm Antigen Test (Alternate Methodology)</b>	<b>25000533</b>	<ul style="list-style-type: none"> <li>● ● ● SST, RTT, LTT</li> <li>0.5 mL serum or EDTA plasma or whole blood</li> <li></li> </ul>	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.	8 AM next day	\$12.71
<b>O&amp;P with HW &amp; Tick</b>	<b>25001627</b>	<ul style="list-style-type: none"> <li>O&amp;P: 3g fresh feces</li> <li>HW: 0.25 mL of serum or EDTA plasma</li> <li>Tick Panel: 0.25 mL of serum or EDTA plasma or whole blood</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>O&amp;P: Fecal flotation by sugar solution</li> <li>Tick Panel: Lateral flow assay for <i>Ehrlichia</i>, <i>Anaplasma</i>, <i>Borrelia</i> (Lyme) Antibodies</li> <li>HW: DiroCHEK® Ag ELISA, Ova and Parasite</li> </ul>	<ul style="list-style-type: none"> <li>O&amp;P: Next day by 5 PM</li> <li>HW &amp; Tick: 8 AM next day</li> </ul>	\$36.84
<b>Modified Knott's Test for Microfilariae (Heartworm)</b>	<b>6225</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>2 mL EDTA whole blood</li> <li></li> </ul>	Quantification not included.	1-2 days	\$38.18
<b>Modified Knott's Test with Quantification</b>	<b>MODKNOTTSQ</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>2 mL EDTA whole blood</li> <li></li> </ul>		1-2 days	\$37.10
<b>Feline Heartworm Antibody (ELISA)†</b>	<b>6007</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	HW Ab ELISA	5-7 days	\$142.70
<b>Gross Parasite Identification</b>	<b>25001435</b>	Whole parasite (adult worm, larvae, ectoparasite, etc.) in sealed, leakproof container		1-5 days	\$34.35



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Microbiology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Aerobic Culture</b>	<b>7156</b>	○ Culture swab or fluid/ tissue		2-5 days	\$69.55
<b>Anaerobic Culture</b>	<b>7157</b>	○ Culture swab or fluid/ tissue		2-7 days	\$38.18
<b>Aerobic and Anaerobic Culture</b>	<b>7135</b>	○ Culture swab or fluid/ tissue		2-7 days	\$107.00
<b>Urine Culture and Sensitivity</b>	<b>7140</b>	○ ● YTT/sterile tube, Urine 1 mL urine in WTT or sterile container 		1-5 days	\$69.55
<b>Urinalysis with Urine Culture &amp; Sensitivity</b>	<b>25001629</b>	● Urinalysis: 5 mL urine in YTT/sterile container Urine C&S: 1 mL urine in WTT or sterile container 		Urinalysis: 8 AM next day Urine C&S: 1-5 days	\$82.17
<b>Hold Urine Culture for 48 hours</b>	<b>25000534</b>		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	\$0.01
<b>Fungal Culture</b>	<b>7145</b>	○ Culture swab or fluid/ tissue		Up to 26 days for final report	\$70.06
<b>Fecal Culture</b>	<b>7155</b>	● Feces 5 gm fresh feces		2-7 days	\$70.06
<b>Dermatophyte Culture</b>	<b>7160</b>	○ WTT/sterile tube Plucked hair, nail clippings, skin scrapings or brushings		12 days for final report	\$70.06

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Microbiology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Mycoplasma</i> Culture†	MYCOPLASCU	Amies transport media swab, fluid or tissue in WTT/sterile container.		Up to 21 days	\$93.77
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	\$140.07
<i>Brucella canis</i> Culture†	BRUCLCULT	As indicated: Amies transport media swab, whole blood inoculated into blood culture bottle, 5 g lung tissue, 5 g placenta, 5 mL semen, 1 g stomach contents, 1 g testicle; submit in sterile, leakproof container(s).	Blood submitted in any tube other than blood culture bottle will be rejected.	7-10 days	\$105.54
<i>Mycobacterium</i> Culture†	MYCO	Intestine, lymph node, rectal, or skin biopsy in sterile, leakproof container		60 days	\$104.47
Acid-Fast Stain, Non-Avian/Reptile	ACIDFAST	○ Culture swab or fluid/tissue		1-4 days	\$43.28

# Microbiology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Fungal Susceptibility 1 Drug†	FUNGALSUS1	ZRL fungal culture	Add on fungal susceptibility testing for one antifungal drug.	1-2 weeks	\$136.87
Fungal Susceptibility 2 Drugs†	FUNGALSUS2	ZRL fungal culture	Add on fungal susceptibility testing for two antifungal drugs.	1-2 weeks	\$216.50
Fungal Susceptibility 3 Drugs†	FUNGALSUS3	ZRL fungal culture	Add on fungal susceptibility testing for three antifungal drugs.	1-2 weeks	\$296.13
Skin Culture and Sensitivity (Dermatology)	25001434	○ Culture swab or fluid/ tissue	Culture and AMS designed for skin lesions, including ear infections.	2-5 days	\$63.66



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Serology/Infectious Diseases

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Tick Panel Screening Test	6002	<p>●●● SST, RTT or LTT 0.5 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	\$14.96
FeLV/FIV Rapid Test	6005	<p>●●● SST, RTT or LTT 0.5 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	\$16.08
O&P with HW & Tick	25001627	<p>O&amp;P: 3g 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&amp;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</p>	<p>O&amp;P: Next day by 5 PM HW &amp; Tick: 8 AM next day</p>	\$36.84
<i>Cryptococcus</i> Antigen Titer by Latex Agglutination	7216	<p>●● SST, RTT 0.5 mL serum or CSF</p> 		1-2 days	\$95.54
<i>Coccidioides</i> Antibody Screening Test	25001690	<p>●● SST or RTT 1 mL serum</p>	Lateral flow assay assessing IgG and IgM Abs combined.	2-3 days	\$48.15
<i>Coccidioides</i> Titer AGID <sup>†</sup>	6129	<p>●● SST or RTT 1 mL serum</p> 	IgG, IgM	3-5 days	\$107.68
<i>Blastomyces</i> Quantitative Antigen EIA <sup>†</sup>	BLASTANT	<p>●●● SST, RTT or LTT 1.2 mL serum or plasma, separated; or 0.8 mL CSF; or 0.5 mL urine or BAL fluid</p> 		2-5 days	\$145.13

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Fungal Titer Panel AGID<sup>†</sup></b>	<b>6130</b>	●● 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	\$160.50
<b>Vector Serology Panel, Canine<sup>†</sup></b>	<b>EXTENTICK</b>	●● 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	\$187.25
<b>Tick Serology Panel</b>	<b>7185</b>	●● SST, RTT 3 mL serum 	<i>Ehrlichia canis</i> (IFA), <i>Anaplasma phagocytophilum</i> (IFA), <i>Borellia burgdorferi</i> (Cornell Multiplex Antibody Test) <sup>†</sup>	2-7 days	\$152.85
<b>Toxoplasma gondii ELISA<sup>†</sup></b>	<b>TOXAB189</b>	●● 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	\$93.77
<b>Tick with HW</b>	<b>25001628</b>	●●● SST, RTT, LTT 0.5 mL of serum or EDTA plasma 	Tick Panel: Lateral flow assay for <i>Ehrlichia</i> , <i>Anaplasma</i> , <i>Borrelia</i> (Lyme) Heartworm: DiROCHEK <sup>®</sup> ELISA	8 AM next day	\$21.59
<b>Vaccine Titer (Qualitative), Canine</b>	<b>6145</b>	●● SST, RTT 1 mL serum 	Qualitative CDV and parvovirus titer by ELISA	1-3 days	\$47.62
<b>Feline Vaccine Panel 2<sup>†</sup></b>	<b>7200</b>	● RTT 1 mL serum 	Herpesvirus, calicivirus, parvovirus (panleukopenia) Ab	6-10 days	\$131.22
<b>Rabies Titer for Export<sup>†</sup></b>	<b>7205E</b>	● RTT 2 mL serum 	FAVN-OIE completed form must accompany sample submission.	6-7 weeks	\$168.70

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Vaccine Titer (Quantitative), Canine(Cornell)	DPVAC	●● SST, RTT 1 mL serum 	FAVN-OIE completed form must accompany sample submission.	7-10 days	\$98.17
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	5-6 weeks	\$185.87
Feline Infectious Peritonitis Virus (FIP) IFAT	25001570	● RTT 1 mL Feline effusions (ascites, peritoneal fluid) in red-top or preservative-free tube 	Indirect fluorescent antibody	3-4 days	\$96.17
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	\$109.57
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	\$147.40
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	\$35.72

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Feline Coronavirus (IFA)	CORONAIFA	● ● SST, RTT 1 mL serum 	Detects IgG antibodies against Feline coronavirus. Positive results reported as a titer.	2-3 days	\$95.54
<i>Brucella canis</i> Titer IFA	BRUCIFA	● ● SST, RTT 1 mL serum 		1-4 days	\$95.54
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	\$542.49
Lyme Multiplex Test, Canine†	LYMEMPLX	● RTT 2 mL serum, separated 		5-7 days	\$123.73
<i>Anaplasma phagocytophilum</i> (IFA)	ANATITER	● ● SST or RTT 1 mL serum 		2-3 days	\$50.95
<i>Aspergillus</i> Titer AGID†	ASP	● ● SST or RTT 1 mL serum 	IgG	3-5 days	\$111.96
Australia Export Completion Panel†	AUSECPN	● ● SST, RTT 2 mL serum 	<i>Brucella canis</i> , <i>Leishmania infantum</i> , <i>Leptospira interrogans</i> serovar <i>canicola</i> and <i>Ehrlichia canisthen</i> Appropriate FAVN forms must accompany submission. See online DOS for more comprehensive instructions.	9-12 days	\$167.07
<i>Brucella canis</i> Slide AGGL/AGID II†	6315	● RTT 0.5 mL serum, separated 		3-5 days	\$120.52
<i>Borrelia</i> (Lyme) (Western Blot)	LYMEWB	● ● SST, RTT 1 mL serum		1-7 days (test performed on Mondays)	\$57.30

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Neospora caninum</i> IFA†	NEO	●● SST or RTT 1 mL serum IgG, IgM 		3-5 days	\$118.38
Rabies Screen Titer (not for export)†	7205	● RTT 1 mL serum 		4-5 weeks	\$124.80
<i>Trypanosoma cruzi</i> (Chagas Disease) IFA Titert	TCRUIFA	●● SST, RTT 1 mL serum 		3-5 days	\$103.27
<i>Aspergillus</i> Galactomannan Antigen EIA†	ASPGUR	●● SST or RTT 0.8 mL serum (separated), CSF, urine, or BAL fluid 		2-5 days	\$153.71
<i>Bartonella</i> 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	\$147.40
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	\$297.33
<i>Toxoplasma gondii</i> ELISA (Canine) & <i>Neospora caninum</i> 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	\$125.19
Canine Distemper Virus Titer (Cornell)†	DISTEMP	●● SST or RTT 1 mL serum 	Testing also performed on CSF	7-10 days	\$109.57

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Ehrlichia canis</i> (IFA)	EHRCH	●● SST, RTT 1 mL serum 	Detects IgG antibodies against <i>Ehrlichia canis</i> . Positive results reported as a titer.	2-3 days	\$50.95
FIV by Western Blot & ELISA†	FIVWB	●● RTT, LTT 1 mL serum or EDTA plasma 		4-7 days	\$148.34
<i>Histoplasma</i> Quantitative Antigen EIA†	HISTOANT	●●● SST, RTT, or LTT 1.2 mL serum or plasma, separated; or 0.8 mL CSF; or 0.5 mL urine or BAL fluid 		2-5 days	\$145.13
Canine Adenovirus Type 1 Antibody (VN)†	K9ADNE1	●● SST, RTT 0.5 mL serum 		4 days from run date	\$85.48
<i>Leishmania</i> Titer IFA†	LEISH	●● SST, RTT 1 mL serum 		2-5 days	\$115.17
Lyme ( <i>Borrelia</i> ) Titer IFA†	LYMEIFA	●● SST, RTT 1 mL serum 		2-3 days	\$95.91
<i>Pythium</i> Serology†	00PYTHIUM	● RTT 0.5 mL serum 		3-5 days	\$147.27
Rabies Antibody Endpoint (Not for Export)†	7206	● RTT 1 mL serum 		4-5 weeks	\$155.25
<i>Rickettsia rickettsii</i> (RMSF) IFA†	RMSFIFA	● RTT 2 mL serum 		10 days	\$96.92

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Feline Leukemia Virus (FeLV) (ELISA)</b>	<b>25000531</b>	<ul style="list-style-type: none"> <li>● ● ● SST, RTT, LTT</li> <li>0.5 mL serum or EDTA plasma or whole blood</li> <li></li> </ul>		Next day by 8 AM	\$19.12
<b>Babesia IFA†</b>	<b>BABESIAIFA</b>	<ul style="list-style-type: none"> <li>● ● SST or RTT</li> <li>2 mL serum</li> <li></li> </ul>	<i>Babesia canis, B gibsoni</i>	10 days	\$113.57
<b>Comprehensive (PCR and Serology) Vector Panel, Felinet†</b>	<b>FELVECTPNL</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>2 mL serum AND 2 mL EDTA whole blood</li> <li></li> </ul>	<i>Bartonella henselae, B vinsonii, B koehlerae</i> (by IFA); <i>Borrelia</i> (Lyme), <i>Anaplasma, Ehrlichia</i> , and heartworm (by rapid assay); PCR for <i>Babesia, Bartonella, Cytauxzoon, Anaplasma, Ehrlichia, Rickettsia</i> , and hemotropic <i>Mycoplasma</i> organisms	7-10 days	\$272.15
<b>Canine Influenza Virus Titer†</b>	<b>K9FLUAB</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum</li> <li></li> </ul>	HAI (antibody detection) specific for H3N8	7-10 days	\$99.12
<b>Tick Panel Screening Test + Heartworm Antigen Test</b>	<b>25001389</b>	<ul style="list-style-type: none"> <li>0.5 mL of serum or EDTA plasma or whole blood</li> <li></li> </ul>	<i>Ehrlichia, Anaplasma, Borrelia</i> (Lyme) by rapid assay; Heartworm Ag by DiroCHEK® ELISA	8 AM next day	\$21.12
<b>New Zealand Export Panel I†</b>	<b>NZECPN</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>2 mL serum</li> <li></li> </ul>	<i>Leptospira canicola</i> , occult heartworm	8-12 days	\$112.77
<b>New Zealand Export Panel II†</b>	<b>NZECPN2</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>2 mL serum</li> <li></li> </ul>	<i>Babesia gibsoni, Brucella canis</i>	3-5 days	\$195.42
<b>Canine Parvovirus Fecal Test</b>	<b>60002</b>	<ul style="list-style-type: none"> <li>● Feces</li> <li>1 gm fresh feces</li> <li></li> </ul>		Next day by 5 PM	\$57.30

# Clinical Pharmacology/Toxicology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Cyclosporine†	6335	<ul style="list-style-type: none"> <li>LTT</li> <li>0.5 mL EDTA whole blood</li> </ul> 		3-5 days	\$128.45
Leflunomide Level†	LEFLUNO	<ul style="list-style-type: none"> <li>RTT (no SST), LTT</li> <li>0.5 mL serum or plasma (no SST)</li> </ul>		7-14 days	\$172.66
Levetiracetam (Keppra)†	6321	<ul style="list-style-type: none"> <li>RTT</li> <li>0.5 mL serum, separated (no plasma)</li> </ul>		3-5 days	\$153.71
Quantitative Copper (Blood or Tissue)†	6171	<ul style="list-style-type: none"> <li>RTT, LTT, GRNTT</li> <li>2 mL serum or whole blood (EDTA or heparin) or 50 mg wet tissue (fresh, frozen, fixed, or embedded in a paraffin block)</li> </ul>		7-10 days	\$194.61
Zinc, Serum/Plasma†	ZINC	<ul style="list-style-type: none"> <li>RBTT (EDTA)</li> <li>2 mL EDTA plasma, separated</li> </ul> 	If possible utilize K2EDTA in RBTT. These tubes are designed for trace mineral testing and are free of zinc. Other tube types may contain zinc.	3-5 days	\$108.75
Anticoagulant (Rodenticide)†	ANTICOAG	<ul style="list-style-type: none"> <li>LTT</li> <li>3 mL EDTA whole blood</li> </ul> 	Includes brodifacoum, bromadiolone, chlorophacinone, difenacoum, difethialone, diphacinone, and warfarin	6-12 days	\$197.90
Bromide	1025	<ul style="list-style-type: none"> <li>SST, RTT</li> <li>0.5 mL serum</li> </ul> 		1-2 days	\$142.70
Digoxin†	6320	<ul style="list-style-type: none"> <li>LTT, RTT (no SST)</li> <li>0.5 mL serum (no SST) or EDTA plasma</li> </ul>		3-5 days	\$122.16

# Clinical Pharmacology/Toxicology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Drugs of Abuse†	DOA	●● SST, RTT 10 mL serum or urine (10 gm liver or kidney also accepted)	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	\$292.53
LC/Mass Spectrometry Toxicology Screen†	LCMS	● RTT 20 mL fluid; 50 gm tissue; 50 gm feed; OR 50 gm source material 	Toxicology screen for unknown exposure	2-3 weeks	\$248.33
Blood Lead†	6240	●● LTT, GRNTT 0.5 mL EDTA or heparinized whole blood 		5-7 days	\$114.10
Zonisamid†	6322	●● LTT, RTT (no SST) 0.5 mL serum (no SST) or EDTA plasma		6-10 days	\$153.71
Keppra Levels Peak & Trough Samples†	KEPPRA	● RTT (no SST) 2 samples of 0.5 mL serum, separated (no plasma) each		6-10 days	\$235.73
Phenobarbital	1031	● RTT 0.5 mL serum, separated 		1-2 days	\$44.60
Gabapentin†	GAB	●● LTT, RTT (no SST) 0.5 mL EDTA plasma or serum (no SST)		3-5 days	\$142.99
Toxic Heavy Metal Panel†	25001395	●●● LTT, GRNTT, BTT 5 mL EDTA, heparinized, or citrate whole blood; 3 gm tissue (liver or kidney) 	Quantitative analysis of arsenic, cadmium, lead, thallium, mercury, selenium	6-12 days	\$218.96

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Histopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Histopathology Simple Single Site</b>	<b>ZN100</b>	Formalin-fixed tissue	<ul style="list-style-type: none"> <li>- <b>Single site</b></li> <li>- No more than 10 cm in any dimension</li> <li>- <b>Not for dermatologic disease</b> or with other criteria of Complex Level 1 or 2</li> </ul>	3-7 days	\$90.95
<b>Histopathology Simple Multiple Sites (Up to 5 Sites)</b>	<b>ZN101</b>	Formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Simple samples from up to <b>1-5 unique sites</b></li> <li>- No more than 10 cm in any dimension</li> </ul>	3-7 days	\$133.75
<b>Histopathology Complex Level 1</b>	<b>ZN102</b>	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Skin biopsies for dermatologic disease (without dermatologist consult)</li> <li>- Multiple gastrointestinal biopsies</li> <li>- Bone marrow</li> <li>- 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</li> <li>- Large samples (&gt;10cm in any dimension)</li> <li>- Individual teeth or other small samples containing bone</li> <li>- Simple samples from <b>6-15 unique sites</b></li> <li>- Formalin-fixed whole bodies &lt;300 g</li> </ul>	3-9 days	\$168.25
<b>Histopathology Complex Level 2</b>	<b>ZN103</b>	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Mandible, maxilla (all jaws, regardless of size)</li> <li>- Amputated limb</li> <li>- Other large/atypical samples containing bone</li> <li>- Multiple Complex Level 1 samples</li> <li>- Simple samples from <b>&gt;15 sites.</b></li> </ul>	Varies by nature of sample	\$213.93



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

## Specialty Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Dermatopathology Panel</b>	<b>ZN400</b>	<ul style="list-style-type: none"> <li>- Formalin-fixed skin biopsies</li> <li>- Detailed history and clinical images are required</li> <li>- Images can be sent to: <a href="mailto:referencelabpathology@zoetis.com">referencelabpathology@zoetis.com</a></li> </ul>	<ul style="list-style-type: none"> <li>- Includes Histopathology &amp; Dermatologist Consult</li> <li>- Addendum with case management guidance from boarded dermatologist</li> </ul>	Dermatopathology: 3-7 days. Consult provided after dermatopathology.	\$184.67
<b>Liver Panel</b>	<b>ZN500</b>	<ul style="list-style-type: none"> <li>- At least 3 x 1 cm 14G needle biopsies, 1+ wedge biopsy (ideally multiple), or other larger liver sample</li> <li>- Samples for histologic review should be formalin-fixed</li> <li>- Samples for copper quantification may be fresh or formalin-fixed</li> <li>- Detailed history is required</li> <li>- Images can be sent to: <a href="mailto:referencelabpathology@zoetis.com">referencelabpathology@zoetis.com</a></li> </ul>	<ul style="list-style-type: none"> <li>- Biopsy report by liver specializing pathologist</li> <li>- H&amp;E, connective tissue, and copper stains</li> <li>- Copper quantification</li> </ul>	Histopathology: 3-7 days. Quantitative copper analysis: Additional 3-7 days	\$299.28
<b>Liver Panel &amp; Medical Consult</b>	<b>25001436</b>	<ul style="list-style-type: none"> <li>- Biopsy report by liver specializing pathologist</li> <li>- H&amp;E, connective tissue, and copper stains</li> <li>- Copper quantification</li> </ul>	<ul style="list-style-type: none"> <li>- Biopsy report by liver specializing pathologist</li> <li>- H&amp;E, connective tissue, and copper stains</li> <li>- Copper quantification</li> <li>- Addendum with case management guidance from boarded internist with liver expertise</li> </ul>	Histopathology: 3-7 days Copper quantification and consult: Up to 21 days	\$413.77

## Specialty Histopathology Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Nephropathology (Renal) Panel</b>	<b>ZN25000541</b>	<ul style="list-style-type: none"> <li>- 1 or more 14G to 18G core needle biopsy, a wedge biopsy, or other larger renal sample (eg, nephrectomy)</li> <li>- Detailed history is required</li> <li>- Images can be sent to: <a href="mailto:referencelabpathology@zoetis.com">referencelabpathology@zoetis.com</a></li> </ul>	<ul style="list-style-type: none"> <li>- Biopsy report by kidney specializing pathologist</li> <li>- H&amp;E, PAS, trichrome, Jones methenamine silver stains (Congo Red also included, if indicated)</li> </ul>	3-7 days	\$230.05

## Other Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>C-Kit Mutation Assay†</b>	<b>6541</b>	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 <b>1-888-965-9652</b> . See specific recommendations made by the pathologist in the existing pathology report. Please include histopathology report.	10-14 days	\$206.12
<b>Melanoma Prognostic Panel, Canine†</b>	<b>6426</b>	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	\$117.70

## Other Histopathology Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Complete Muscle Profile†</b>	<b>CM</b>	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	\$221.10
<b>Lymphoid Neoplasia PCR/ PARR (T&amp;B cell) from Histopathology Sample†</b>	<b>6544</b>	Biopsy sample	PARR for lymphoma and lymphoid leukemia This test must be ordered on an existing histopathology accession by calling customer service at <b>1-888-965-9652</b> . See specific recommendations made by the pathologist in the existing pathology report.	10-14 days	\$279.87
<b>Mast Cell Tumor Prognostic Panel, Canine†</b>	<b>6540</b>	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 <b>1-888-965-9652</b> . See specific recommendations made by the pathologist in the existing pathology report. Please include a copy of the original biopsy report.	10-14 days	\$348.00
<b>Melanoma Diagnostic Panel, Canine†</b>	<b>6425</b>	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 <b>1-888-965-9652</b> . 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	\$153.71
<b>Copper, Zinc, Iron Levels on Hepatic Tissue†</b>	<b>COPZNCIRON</b>	Liver may be fresh (minimum 50 mg wet tissue), frozen, fixed, or embedded in a paraffin block		1-2 weeks	\$134.81

## Cytopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Cytopathology Simple/ Single Site</b>	<b>7120</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> <b>Unstained, air-dried slides; fluid from a mass in LTT</b> <ul style="list-style-type: none"> <li>Slides</li> <li>Liquid</li> </ul>	For the following sample types: <ul style="list-style-type: none"> <li>Single lesion/tissue (FNA, swab, impression smear)</li> <li>Single or multiple lymph nodes</li> <li>Single joint (slides only)</li> <li>Fluid from mass lesion (cytology only)</li> </ul>	1-2 days	\$96.30
<b>Cytopathology Complex</b>	<b>7201</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> <b>Unstained, air-dried slides and/or fluid in LTT</b> <ul style="list-style-type: none"> <li>Slides</li> <li>Liquid</li> </ul>	For the following sample types: <ul style="list-style-type: none"> <li>Multiple lesions/tissues (FNA, swab, impression smear)</li> <li>Joint fluid in LTT (single or multiple)</li> <li>Multiple joints (slides only)</li> <li>Cavitary effusion (single or multiple)</li> <li>CSF</li> <li>Bone marrow</li> <li>BAL/TTW</li> <li>Other fluids/lavage</li> </ul>	1-2 days	\$130.52
<b>Lymphoid Neoplasia PCR/PARR (T&amp;B Cell) from Blood, Fluid, Cytopathology Sample†</b>	<b>6542</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> May be performed on blood, bone marrow, cavity fluid, CSF, or tissue aspirate. For blood, bone marrow, or other fluids: 1 mL in EDTA (LTT). For tissue aspirate: aspirate into EDTA or submit cytology preparation (slides).		7-12 days	\$279.87

# Clinical Immunology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>2M Antibody Masticatory Muscle Myositis†</b>	<b>6403</b>	● RTT 1 mL serum 		7-12 days	\$204.37
<b>Acetylcholine Receptor Antibody/Myasthenia Gravis†</b>	<b>6402</b>	● RTT 1 mL serum 		7-12 days	\$204.37
<b>Complete Amino Acid Profile†</b>	<b>COMPAA</b>	● GRNTT 1 mL separated heparinized plasma 		7-9 days	\$235.73
<b>IgA, Canine</b>	<b>IGA</b>	● ● SST, RTT 2 mL serum 		3-5 days	\$57.30
<b>Anti-Nuclear Antibody (IFA)</b>	<b>ANA</b>	● ● SST, RTT 0.5 mL serum 	Detects antinuclear IgG antibodies. Positive results reported as a titer.	2-5 days	\$50.95
<b>Protein Electrophoresis</b>	<b>6345</b>	● ● SST, RTT, sterile leakproof container 0.5 mL serum, >10 mL urine 		3-6 days	\$70.06
<b>IgG, IgA, IgM, Canine†</b>	<b>IGGAM</b>	● RTT 1 mL separated serum 		7-10 days	\$161.18
<b>IgG, Canine†</b>	<b>IGG</b>	● RTT 1 mL separated serum 		7-10 days	\$94.70
<b>Allergy Panel, Canine/Feline†</b>	<b>25001385</b>	● ● SST, RTT 3 mL serum		10-14 days	\$332.88

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Clinical Immunology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Immunofixation Free Lt Chain Add-on†</b>	<b>25001431</b>	<ul style="list-style-type: none"> <li>○ SST, sterile leakproof container</li> <li>1 mL serum, 5-10 mL urine</li> </ul>	Must be ordered in addition to Protein Electrophoresis.	3-4 days	\$152.27
<b>Protein Electrophoresis Immunofix†</b>	<b>25001430</b>	<ul style="list-style-type: none"> <li>● ○ RTT, WTT sterile leakproof container</li> <li>0.5 mL serum, &gt;=10 mL urine in WTT/Sterile leakproof container</li> </ul>		5-7 days	\$203.79



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Genetic

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Degenerative Myelopathy†</b>	<b>DEGMYE</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>3-7 mL EDTA whole blood</li> <li> Blood</li> <li> Tissue</li> </ul>	If submitting tissue, do not place in formalin. Place tissue in sterile container/bag, double bag, freeze, and ship with ice pack. UMC CANINE DM DNA TESTING & RESEARCH FORM required.	2 weeks	\$141.11
<b>Fanconi Syndrome Test†</b>	<b>FANCONI</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>3 mL urine (frozen)</li> <li></li> </ul>		1-4 weeks	\$141.92
<b>Centronuclear Myopathy†</b>	<b>CNM</b>	Interdental/GUM brushes supplied by owner or Cytology Brush supplied by VGL at no additional charge		10-14 days	\$185.25
<b>Methylmalonic Aciduria (Cobalamin Malabsorption)†</b>	<b>COBMAL</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>3 mL urine (frozen)</li> <li></li> </ul>		5-7 days	\$134.81
<b>Cystinuria Nitroprusside†</b>	<b>CYSTINURIA</b>	<ul style="list-style-type: none"> <li>● Urine</li> <li>3 mL urine (frozen)</li> <li></li> </ul>		7-10 days	\$125.87
<b>Congenital (CKCS) Macrothrombocytopenia†</b>	<b>CKCSMACRO</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1 mL EDTA whole blood</li> <li>AND 3-5 unstained blood smears</li> <li> Blood</li> <li> Slides</li> </ul>	β1-tubulin	7-10 days	\$210.37
<b>Pyruvate Kinase Deficiency DNA Test†</b>	<b>PYRUDNA</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1-2 mL EDTA whole blood or cheek swab</li> <li></li> </ul>		1-4 weeks	\$149.12

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Nutrition

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Selenium†	SELENIUM	<ul style="list-style-type: none"> <li>● ● LTT, RTT</li> <li>0.5 mL EDTA whole blood preferred; 0.5 mL serum or EDTA plasma also accepted</li> <li>❄ Serum/Plasma</li> <li>📄 Whole Blood</li> </ul>		3-5 days	\$100.19
Trace Element Screen†	TMINPAN	<ul style="list-style-type: none"> <li>● RBTT</li> <li>2 mL serum from RBTT</li> <li>❄</li> </ul>	Ca, Cu, Fe (unbound), Mg, Na, K, Phos, Zn	5-7 days	\$88.16
Taurine (Plasma and Whole Blood)†	TAUR	<ul style="list-style-type: none"> <li>● GRNTT</li> <li>1 mL separated heparinized plasma AND 2 mL heparinized whole blood</li> <li>📄</li> </ul>		10 days	\$195.42
Taurine:Whole Blood†	TAURWB	<ul style="list-style-type: none"> <li>● GRNTT</li> <li>2 mL heparinized whole blood</li> <li>📄</li> </ul>		10 days	\$147.27
Taurine:Plasma†	TAURPLAS	<ul style="list-style-type: none"> <li>● GRNTT</li> <li>1 mL separated heparinized plasma</li> <li>📄</li> </ul>		10 days	\$147.27
Thiamine (Vitamin B1)†	THIAMINE	<ul style="list-style-type: none"> <li>● ● GRNTT, LTT</li> <li>3 mL EDTA or heparinized whole blood</li> <li>❄💡</li> </ul>		5-7 days	\$122.16

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

# Nutrition (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Vitamin E <sup>†</sup>	2331	<p>●●●● SST, RTT, LTT, GRNTT</p> <p>1.5 mL serum or heparinized or EDTA plasma, separated</p> 		3-5 days	\$100.19
Vitamin E and Mineral Panel <sup>†</sup>	VITEMINE	<p>●●● RTT, LTT, RBTT</p> <p>1 mL EDTA whole blood, 1 mL RBTT serum (separated), 1 mL serum no-additive RTT (separated and protected from light)</p> 	Vitamin E, Ca, Cu, Fe, Mg, Phos, Zn, Se	8-10 days	\$144.89
Carnitine <sup>†</sup>	CARNITINE	<p>●○ GRNTT, WTT</p> <p>0.5 mL heparinized plasma (separated) OR 5 mL urine (frozen)</p> 		15-21 days	\$196.49
Vitamin A <sup>†</sup>	VITA	<p>●●●● SST, RTT, LTT, GRNTT</p> <p>1.5 mL serum or EDTA or heparinized plasma, separated</p> 		3-5 days	\$100.19



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Add-Ons

KEY

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	Price
Anaerobic ID Add-on	A7157	○ WTT/sterile tube Culture swab or fluid/tissue in WTT, anaerobic transport medium, or sterile tube		2-7 days	\$32.45
Bile Acid Pre/Resting Add-on	A6180	●● SST, RTT 0.5 mL serum 		1-2 days	\$23.79
ZRL Premium Lipase (DGGR Lipase) Add-on	A1030	●● SST, RTT 0.5 mL serum 		8 AM next day	\$10.65
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	\$13.67
Fructosamine Add-on	A1024	●● SST, RTT 0.5 mL serum 		1-2 days	\$19.16
Heartworm Antigen Test Add-on	A6001	●●● SST, RTT, LTT 0.25 mL of serum or EDTA plasma 	DiroCHEK® ELISA	8 AM next day	\$9.47
SDMA Add-on	AN7037	●● SST, RTT 0.5 mL serum 		8 AM next day	\$17.10

## Add-Ons (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
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 <i>Ehrlichia</i> , <i>Anaplasma</i> , <i>Borrelia</i> (Lyme)	8 AM next day	\$13.47
Triglycerides Add-on	A1023	<p>● ● SST, RTT 0.5 mL of serum or EDTA plasma or whole blood</p> 		8 AM next day	\$7.59
TLI Canine Add-on	A6206	<p>● ● SST, RTT 0.5 mL serum</p> 		1-2 days	\$45.49
Cortisol Add-on	A5101	<p>● RTT 0.5 mL serum</p> 		8 AM next day (1-2 days for feline/equine samples)	\$13.67
Direct Coombs Add-on	A2701	<p>● LTT 2 mL EDTA whole blood</p> 		1-2 days	\$54.11
Feline Heartworm Antibody (ELISA) Add-on†	A6007	<p>● ● SST, RTT 1 mL serum</p> 		5-7 days	\$114.16
Free T4 Add-on	A5103	<p>● ● SST, RTT 0.5 mL serum</p> 		8 AM next day	\$16.83
<i>Giardia</i> Antigen Test, Canine/Feline Add-on	A2321	<p>● Feces 3 gm fresh feces</p> 		Next day by 5 PM	\$11.18

## Add-Ons (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Leptospira Antibodies (IgM), Canine Add-on</b>	<b>A6008</b>	<ul style="list-style-type: none"> <li>● ● ● SST, RTT, LTT</li> <li>0.5 mL serum or EDTA plasma or whole blood</li> <li></li> </ul>		1-3 days	\$30.36
<b>Phenobarbital Add-on</b>	<b>A1031</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		1-2 days	\$37.91
<b>Total T4 Add-on</b>	<b>A5102</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day	\$14.41
<b>TSH Add-on</b>	<b>A5106</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		8 AM next day (1-2 days for feline samples)	\$13.67
<b>Urine Culture and Sensitivity Add-on</b>	<b>A7140</b>	<ul style="list-style-type: none"> <li>○ ● WTT/sterile tube, Urine</li> <li>1 mL urine in WTT or sterile container</li> <li></li> </ul>		1-5 days	\$59.12
<b>Urine Protein:Creatinine Ratio Add-on</b>	<b>A1555</b>	<ul style="list-style-type: none"> <li>○ ● WTT, Urine</li> <li>1 mL urine in sterile container</li> <li></li> </ul>	Urine Creatinine, Urine Protein, Urine Protein:Creatinine Ratio	8 AM next day	\$14.41
<b>Urine Cortisol:Creatinine Ratio Add-on†</b>	<b>A3310</b>	<ul style="list-style-type: none"> <li>○ ● WTT, Urine</li> <li>1 mL urine in sterile container</li> <li></li> </ul>		8 AM next day (1-2 days for feline samples)	\$59.55
<b>Coccidioides Titer AGID Add-on</b>	<b>A6129</b>	<ul style="list-style-type: none"> <li>● SST</li> <li>1 mL serum</li> </ul>	IgG, IgM Titers	3-5 days	\$86.14

## Add-Ons (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Urinalysis Add-on	25001700	<ul style="list-style-type: none"> <li>Urine</li> <li>5 mL urine in YTT/sterile container</li> </ul> 			\$14.41
Urinalysis w/ reflex UPC Add-on	25001701	<ul style="list-style-type: none"> <li>Urine</li> <li>5 mL urine in YTT/sterile container</li> </ul> 	An automatic Urine Protein:Creatinine Ratio will be performed when proteinuria is present.		\$19.77
Free (Ionized) Calcium (Mich. State Univ.) Add-on†	A6304	<ul style="list-style-type: none"> <li>RTT</li> <li>0.75 mL serum, separated</li> </ul> 	Overnight fasting recommended for best results. Heparinized plasma is suitable for analysis, but must be indicated on form.	3-6 days	\$70.62
Reticulocyte Count Add-on	25000525	<ul style="list-style-type: none"> <li>LTT</li> <li>0.5 mL EDTA whole blood</li> </ul> 		8 AM next day	\$15.76



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)



# Large Animal

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

## Bundles at a glance

Our bundles 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	Price
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				\$52.06
Exercise	25000489		Exercise ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, AST, CK		✓		\$27.50
Metabolic	25000494		Glu, BUN, Creat, BUN:Creat Ratio, TP, Chol, Trig	Endogenous ACTH, Insulin			\$97.03
Renal I	25000497	Comp	Renal ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO2, Anion Gap, TP, Alb		✓	✓	\$63.83
Renal II	25000498		Renal ClinChem: Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO2, Anion Gap, TP, Alb		✓	✓	\$34.88

Comp = Comprehensive

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

# Bundles

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Large Animal Wellness Bundle</b>	<b>EQWP</b>	<p>●●●</p> <p>1 mL serum; 2 mL EDTA whole blood, air-dried slides</p> <p> Blood</p> <p> Slides</p>	Basic CBC, Large Animal ClinChem 24	1-2 days	\$52.06
<b>Large Animal Exercise Bundle</b>	<b>25000489</b>	<p>●●● SST, RTT, Urine</p> <p>1 mL serum; 5 mL urine in WTT/sterile container</p> <p></p>	Exercise ClinChem + UA	1-2 days	\$27.50
<b>Large Animal Metabolic Bundle</b>	<b>25000494</b>	<p>●● SST, RTT</p> <p>2 mL serum</p> <p></p>	Glu, BUN, Creat, BUN:Creat Ratio, TP, Chol, Trig, Endogenous ACTH, Insulin	1-3 days	\$97.03
<b>Large Animal Pre-Anesthetic Bundle</b>	<b>25000495</b>	<p>●●● SST, RTT, LTT</p> <p>1 mL serum; 2 mL EDTA whole blood</p> <p></p>	Basic CBC + Pre-Anesthetic ClinChem	1-2 days	\$29.22
<b>Large Animal Renal Bundle I</b>	<b>25000497</b>	<p>●●●● SST, RTT, LTT, Urine</p> <p>2 mL EDTA whole blood; 1 mL serum; 5 mL urine in WTT/sterile container</p> <p></p>	Basic CBC + Renal ClinChem, UA, Reflex UPC	1-2 days	\$63.83
<b>Large Animal Renal Bundle II</b>	<b>25000498</b>	<p>●●● SST, RTT, Urine</p> <p>2 mL EDTA whole blood; 1 mL serum; 5 mL urine in WTT/sterile container</p> <p></p>	Renal ClinChem, UA, Reflex UPC	1-2 days	\$34.88

# 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. Expert technicians review all results manually and run additional tests if needed.

	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	✓	✓
Perform if indicated based on automated results: Spun PCV, Manual WBC Differential, Visual Platelet Estimate, and/or Reticulocyte Count	✓	✓
Complete manual smear review by technician		✓
Perform if indicated based on automated results: complete pathologist review		✓

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, air-dried slides

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

# Hematology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Basic CBC, Large Animal (Healthy Animals)</b>	<b>7000</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 2 mL EDTA whole blood, air-dried slides 	RBC, HGB, HCT, MCV, MCHC, CHCM, RDW, WBC, WBC Differential, PLT, MPV, Plasma Protein, Fibrinogen, Plasma Protein:Fibrinogen Ratio. If results indicate, will include spun PCV, Manual Differential, and/or Reticulocyte Count.	1-2 days	\$26.79
<b>Comprehensive CBC, Large Animal</b>	<b>8000</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 2 mL EDTA whole blood, air-dried slides 	CBC with blood smear review by technician. If results indicate, will include a PCV, Manual Differential, Reticulocyte Count, and/or Pathologist Review.	1-2 days. Pathologist Review may extend turnaround time to end of day.	\$38.56
<b>Comprehensive CBC Upgrade, Large Animal</b>	<b>25001590</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 2 mL EDTA whole blood, air-dried slides		1-2 Days. Pathologist Review may extend turnaround time to end of day.	\$11.77
<b>Pathologist Review</b>	<b>PATH</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 2 mL EDTA whole blood, air-dried slides	Blood smear review by Pathologist. May be added on to Comprehensive CBC only.	1-2 days	\$80.25
<b>Technician Blood Smear Review</b>	<b>SMREV</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 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 PLT, Manual WBC Differential, and visual PLT estimate. If indicated based on morphologic findings, a Pathologist Review will be included.	8 AM next day	\$17.80
<b>Reticulocyte</b>	<b>RETIC</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 1 mL EDTA whole blood 	% Reticulocyte, RBC, Reticulocyte	8 AM next day	\$18.54
<b>Buffy Coat</b>	<b>6295</b>	<ul style="list-style-type: none"> <li>LTT</li> </ul> 1 mL EDTA whole blood 		1-2 days	\$108.25

# Hematology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Iron Profile†	IRONPRO	<ul style="list-style-type: none"> <li>● RTT, GRNTT</li> <li>0.5 mL serum or heparinized plasma</li> <li></li> </ul>	Fe, TIBC, and Ferritin	7-10 days	\$142.99
PT & aPTT	4101	<ul style="list-style-type: none"> <li>● BTT</li> <li>0.5 mL separated citrated plasma</li> <li></li> </ul>		8 AM next day	\$25.48
Antithrombin (AT3)†	ANTTHRO3	<ul style="list-style-type: none"> <li>● BTT</li> <li>1 mL separated citrated plasma (frozen)</li> <li></li> </ul>		3-5 days	\$114.64
Protein C†	PROC	<ul style="list-style-type: none"> <li>● BTT</li> <li>1 mL separated citrated plasma (frozen)</li> <li></li> </ul>		2-3 days	\$118.92
Low Molecular Weight Heparin†	LMWHEPARIN	<ul style="list-style-type: none"> <li>● BTT</li> <li>0.5 mL citrated plasma (frozen)</li> <li></li> </ul>	Anti-Xa activity of LMWH	2-3 days	\$118.38
Erythropoietin (EPO)†	50227	<ul style="list-style-type: none"> <li>● SST or plasma separator tube</li> <li>1-2 mL plasma or serum from SST or plasma separator tube (EDTA plasma not acceptable)</li> <li></li> </ul>		5-7 days	\$185.25

## ClinChem Panels

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>ClinChem 18, Large Animal</b>	<b>CHEM18EQ</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>	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	\$16.08
<b>Large Animal ClinChem 24</b>	<b>CHEM24EQ</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	ClinChem 18 + CO2, Anion Gap, Phos, GLDH, ALP, Chol	1-2 Days	\$22.27
<b>Exercise ClinChem, Large Animal</b>	<b>25000509</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, AST, CK	1-2 days	\$10.88
<b>Large Animal Liver ClinChem</b>	<b>25000511</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, BUN, TP, Alb, Glob, Alb:Glob Ratio, AST, GLDH, GGT, TBili, Chol	1-2 days	\$10.88
<b>Large Animal Renal ClinChem</b>	<b>25000485</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, Na, K, Cl, BUN, Creat, BUN:Creat Ratio, Ca, Phos, CO2, Anion Gap, TP, Alb	1-2 days	\$12.54
<b>Large Animal Pre-Anesthetic ClinChem</b>	<b>25000486</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>	Glu, Na, K, Creat, Ca, TP, GLDH, TBili	1-2 days	\$10.88

## Individual Chemistry Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Free (Ionized) Calcium	IONISTAT	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 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	\$50.95
Free (Ionized) Calcium (Mich. State Univ.)†	6304	<ul style="list-style-type: none"> <li>● RTT</li> </ul> 0.5 mL serum, separated Ensure that the sample is treated anaerobically. 		3-6 days	\$79.86
LDH†	LDH	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> </ul> 0.5 mL separated serum or heparinized plasma (fluid and urine also accepted)		3-5 days	\$87.35
Osmolality†	OSMOLAL	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> </ul> 1 mL separated heparinized or EDTA plasma 		2-3 days	\$95.91
Serum Amyloid A (SAA), Equinet†	SAA	<ul style="list-style-type: none"> <li>● RTT</li> </ul> 3 mL serum 		2-3 days	\$117.31
Albumin	1001	<ul style="list-style-type: none"> <li>○ ● SST, RTT</li> </ul> 0.5 mL serum 		1-2 days	\$7.10

# Chemistry (cont'd)

KEY

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
High-Sensitivity Cardiac Troponin I†	TROPONIN	● ● SST, RTT 0.5 mL non-hemolyzed serum (frozen) 		4-5 days	\$136.57
ALP (Alk Phos)	1003	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
AST	1005	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49
BUN	1006	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
Chloride	1007	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49
Calcium (Total Calcium)	1008	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
Cholesterol	1009	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
Creatinine	1010	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Creatinine Kinase (CK)</b>	<b>1011</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.10
<b>GLDH</b>	<b>1040</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49
<b>GGT</b>	<b>1013</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49
<b>Glucose</b>	<b>1014</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
<b>Magnesium</b>	<b>1016</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49
<b>Phosphorus</b>	<b>1017</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
<b>Potassium</b>	<b>1018</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$8.75
<b>Sodium</b>	<b>1019</b>	● ● SST, RTT 0.5 mL serum 		1-2 days	\$7.49

# Chemistry (cont'd)

KEY

## Individual Chemistry Tests (cont'd)

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
CO2	1020	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		1-2 days	\$7.49
Total Bilirubin	1021	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li> </li> </ul>		1-2 days	\$7.49
Total Protein	1022	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		1-2 days	\$7.49
Lipid Profile†	LIPIDPROF	<ul style="list-style-type: none"> <li>● ● ● SST, RTT, GRNTT</li> <li>1 mL serum OR 1 mL heparinized plasma</li> </ul>	Chol, Trig, Chol HDL, Chol LDL, Non-HDL Chol, HDL:Chol Ratio	2-4 days	\$125.39
Triglycerides	1023	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		1-2 days	\$8.93



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Urine

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Urinalysis	3000	<p>○ ● WTT, Urine 5 mL urine in a sterile container</p> 		8 AM next day	\$16.95
Urine Protein:Creatinine Ratio	1555	<p>○ ● WTT, Urine 1 mL urine in sterile container</p> 		8 AM next day	\$16.95
Urinalysis with Reflex UPC	25000521	<p>○ ● WTT, Urine 5 mL urine in sterile container</p> 	An automatic Urine Protein:Creatinine Ratio will be performed when proteinuria is present.	8 AM next day	\$23.25
Urinalysis with Reflex UPC upgrade	25001702	<p>○ ● WTT, Urine 5 mL urine in sterile container</p> 	Add to ZRL Bundles including Urinalysis		\$6.30
Urine Electrolyte Panel (for Fractional Excretion) <sup>†</sup>	FREXCRE	<p>○ ● WTT, Urine 2 mL urine in a no-additive tube or leakproof plastic container</p> 	Cl, Creat, K, Na	3-5 days	\$118.38

# Endocrinology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Cortisol (Baseline/Resting)	5101	● ● SST, RTT 0.5 mL serum 		8 AM next day (1-2 days for feline/ equine samples)	\$16.08
Cortisol AM/PM, Equine	AMPMEC	● ● SST, RTT 2 mL serum (2 samples required) 		1-2 days	\$30.57
Progesterone	5105	● RTT 0.5 mL serum 		8 AM next day	\$44.60
Total T4	5102	● ● SST, RTT 0.5 mL serum 		8 AM next day	\$16.95
Free T4	5103	● ● SST, RTT 0.5 mL serum 		8 AM next day	\$19.80
Free T4 by ED†	6330	● ● SST, RTT 0.5 mL serum 		5-7 days	\$120.52
Total T3 (TT3), Equine	TT3	● ● SST, RTT 1 mL serum 		1-2 days	\$38.18
Thyroid Panel	EQTHYROID	● ● SST, RTT 1.5 mL serum 	TT4, TT3, free T4	1-2 days	\$45.85

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Estrone sulfate, Equine†</b>	<b>25001386</b>	<ul style="list-style-type: none"> <li>●● SST, RTT</li> <li>PREFERRED: 1 mL serum;</li> <li>1 mL separated EDTA or heparinized plasma also accepted</li> </ul>		3-10 days	\$107.68
<b>Endogenous ACTH</b>	<b>ENDOACTH</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1 mL EDTA plasma;</li> <li>separated within 4 hours and shipped frozen</li> <li>❄️</li> </ul>		1-3 days	\$52.27
<b>Equine Metabolic Panel (ACTH, Insulin, Glucose)</b>	<b>EQCUSHING</b>	<ul style="list-style-type: none"> <li>●●●● SST, RTT, LTT, GRYTT</li> <li>1 mL EDTA plasma (separated within 4 hrs and frozen) AND 1 mL serum (separated within 1 hr)</li> <li>❄️ Plasma</li> <li>📄 Serum</li> </ul>	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	1-3 days	\$91.71
<b>Metabolic Syndrome Panel I, Equine†</b>	<b>CUSHING</b>	<ul style="list-style-type: none"> <li>●● LTT AND RTT</li> <li>1 mL separated EDTA plasma, frozen, AND 1 mL separated serum</li> <li>❄️</li> </ul>	Endogenous ACTH, Insulin, Glu, T4	1-3 days	\$191.14
<b>TRH Stimulation Test for Equine Cushing's/PPID</b>	<b>2222</b>	<ul style="list-style-type: none"> <li>● LTT</li> <li>1 mL EDTA plasma for each sample</li> <li>📄</li> </ul>	Baseline and post-TRH ACTH	1-4 days	\$101.90
<b>Insulin-like Growth Factor†</b>	<b>ILGROFAC</b>	<ul style="list-style-type: none"> <li>●●● SST, RTT, LTT</li> <li>0.5 mL serum or EDTA plasma</li> <li>📄</li> </ul>		5-10 days	\$139.78

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Vitamin D (25-hydroxyvitamin D3)†</b>	<b>VITD</b>	<ul style="list-style-type: none"> <li>● ● ● RTT, LTT, GRNTT</li> <li>0.5 mL serum or EDTA or heparinized plasma, separated</li> <li>❄️💡</li> </ul>	Overnight fasting recommended for best results. Centrifuge samples and separate serum/plasma within an hour of collection. Protect sample from light.	4-10 days	\$130.54
<b>GCT Panel II, Equine†</b>	<b>EQGCTPII</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>3 mL serum</li> <li>❄️</li> </ul>	Anti-Müllerian Hormone, Inhibin, Testosterone	5-7 days	\$216.50
<b>Anti-Müllerian Hormone, Equine†</b>	<b>ANTIMULL</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li>❄️</li> </ul>		3-14 days	\$134.82
<b>Pregnancy Panel, Equine†</b>	<b>25001387</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>3 mL serum (separated)</li> <li>❄️</li> </ul>	Estrone Sulfate, Pregnant Mare Serum Gonadotropin, Progesterone	3-10 days	\$145.46
<b>Pregnant Mare Serum Gonadotropin (PMSG)†</b>	<b>25001388</b>	<ul style="list-style-type: none"> <li>● ● SST, RTT</li> <li>1 mL serum</li> <li>❄️</li> </ul>	Horses only - samples should be taken 50-100 days post-breeding.	3-10 days	\$104.47
<b>Cryptorchid Panel, Equine†</b>	<b>EQCRYPTO</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>PREFERRED: 2 mL serum;</li> <li>2 mL separated EDTA or heparinized plasma also accepted</li> </ul>	Testosterone, Estrone Sulfate	7-10 days	\$123.73
<b>Gastrin†</b>	<b>GASTRIN</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>1 mL serum, frozen</li> <li>❄️</li> </ul>		3-12 days	\$113.03
<b>Reproductive Hormone Panel†</b>	<b>RHP</b>	<ul style="list-style-type: none"> <li>● ● LTT, RTT (no SST)</li> <li>2 mL serum or plasma (no SST)</li> </ul>	Estrogen, Progesterone, Testosterone	5-10 days	\$153.71

# Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Aldosterone Baseline†	ALDOS	<ul style="list-style-type: none"> <li>● ● LTT or SST, RTT</li> <li>0.5 mL EDTA plasma (preferred); 0.5 mL serum also accepted. Do not send whole blood.</li> <li></li> </ul>		7-10 days	\$100.19
Insulin:Glucose Ratio, Equine	EQINSGLU	<ul style="list-style-type: none"> <li>● ● RTT, GRYTT</li> <li>1 mL serum</li> <li></li> </ul>		1-4 days	\$40.76
Estrogens, Total†	EQUEST	<ul style="list-style-type: none"> <li>● ● LTT, RTT (no SST)</li> <li>2 mL serum or plasma</li> </ul>		3-5 days	\$93.77
Testosterone, Baseline†	TESTOS	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>2 mL serum or EDTA or heparinized plasma</li> <li></li> </ul>		2-9 days	\$96.98
Oral Sugar Test (Insulin Testing), Equine†	EQGLUCOSE	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>PREFERRED: 1 mL serum. 1 mL separated EDTA or heparinized plasma also accepted</li> <li></li> </ul>		3-5 days	\$94.84
Insulin, Equine	5104	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum</li> <li></li> </ul>		1-4 days	\$37.10
Testosterone Post-HCG/GnRH†	TESTPOST	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>1 mL serum or EDTA plasma</li> <li></li> </ul>		3-8 days	\$89.49
Metanephrines, Plasma-free†	METAPLAS	<ul style="list-style-type: none"> <li>● ● LTT, GRNTT</li> <li>1-2 mL EDTA or heparinized plasma, frozen</li> <li></li> </ul>		5-7 days	\$216.78

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

## Endocrinology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Metanephrines, Urine Fractionated†	METAUR	○● WTT, Urine 2.5-4 mL urine		5-7 days	\$115.86
Parathyroid Hormone-Related Protein (PTHrP)†	PTHRP	● LTT 0.5 mL separated EDTA plasma (frozen). Do not send whole blood. ❄️		5-7 days	\$126.94
Vitamin D Profile†	VITP	●● RTT, GRNTT 1.5 mL serum, separated ❄️💡	PTH, Free (Ionized) Calcium, and 25-hydroxyvitamin D Overnight fasting recommended for best results. Centrifuge samples and separate serum/plasma within an hour of collection. Protect sample from light. Numeric results will be complete within 3-9 days. An interpretation will be provided an additional 1-10 days post numeric result.	3-9 days	\$140.53

## GI/Pancreatic

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Amylase (Mich. State Univ.)†	1004	○ SST 0.5 mL serum 📄		2-3 days	\$88.32

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

# Fecal/Parasitology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Ova and Parasite (Centrifugal Fecal Flotation) Test</b>	<b>2320A</b>	● Feces 3-5g fresh feces 		Next day by 5 PM (1-2 days for equine samples)	\$16.80
<b>McMaster (Fecal Egg Counting) Test</b>	<b>2328</b>	● Feces 5 gm fresh feces 	Quantitative analysis	1-2 days	\$25.48
<b>Centrifugal Fecal Flotation Test (O&amp;P) &amp; McMaster (Fecal Egg Counting) Test</b>	<b>25000487</b>	● Feces 8-10 gm fresh feces 		1-2 days	\$25.48
<b>Baermann Test (Lungworm)</b>	<b>BAER</b>	● Feces 10 gm fresh feces 		3-5 days	\$53.47
<b>Fecal Occult Blood</b>	<b>7255</b>	● Feces 1-3 gm fresh feces 		1-2 days	\$38.18
<b>Gross Parasite Identification</b>	<b>25001435</b>	Sterile leakproof container Whole parasite (adult worm, larvae, ectoparasite, etc.) in sealed, leakproof container.	Comment, Gross Parasite ID	1-5 days	\$34.35

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Equine Uterine Culture</b>	<b>7154</b>	Culture swab	Bacterial culture and identification; Sensitivity performed when appropriate; varies by host species, source, and organism	2-5 days	\$63.65
<b>Aerobic Culture</b>	<b>7156</b>	○ WTT/sterile tube Culture swab or fluid/tissue in WTT or sterile tube	Bacterial culture and identification; Sensitivity performed when appropriate; varies by host species, source, and organism	2-5 days	\$69.55
<b>Anaerobic Culture</b>	<b>7157</b>	○ WTT/sterile tube Culture swab or fluid/tissue in WTT, anaerobic transport medium, or sterile tube	Anaerobic bacterial culture and identification	2-7 days	\$38.18
<b>Aerobic and Anaerobic Culture</b>	<b>7135</b>	○ WTT/sterile tube Culture swab or fluid/tissue in WTT, anaerobic transport medium, or sterile tube	Bacterial culture and identification; Sensitivity varies by host species, site, and organism	2-7 days	\$107.00
<b>Mycoplasma Culture†</b>	<b>MYCOPLASCU</b>	Swab/wash (Amies with charcoal) or tissue in a sterile, leakproof container 		Up to 21 days	\$93.77
<b>Urine Culture and Sensitivity</b>	<b>7140</b>	○ ● WTT/sterile tube, Urine 1 mL urine in WTT or sterile container 	Bacterial culture and identification; Sensitivity performed when appropriate; varies by host species, source, and organism	1-5 days	\$69.55
<b>Hold Urine Culture for 48 hours</b>	<b>25000534</b>		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	\$0.01
<b>Reflex Aerobic Culture (Contingent)</b>	<b>25000536</b>	○ WTT/sterile tube Culture swab, fluid in WTT or sterile tube, or fresh tissue in WTT or sterile tube	An aerobic bacterial culture will be automatically added, if indicated (bacteria seen); can be applied to urinalysis or cytology samples	2-5 days	\$59.99

# Microbiology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Blood Culture</b>	<b>7150</b>	Two blood culture bottles should be submitted. Blood should be drawn from two sites (i.e. left jugular, right saphenous)	Bacterial culture and identification; Sensitivity performed when appropriate; varies by host species, source, and organism	3-9 days	\$140.07
<b>Dermatophyte Culture</b>	<b>7160</b>	○ WTT/sterile tube Plucked hair, nail clippings, skin scrapings or brushings	Dermatophyte fungal culture and identification	12 days for final report	\$70.06
<b>Fecal Culture</b>	<b>7155</b>	● Feces 5 gm fresh feces, submitted in a fecal container	Bacterial culture and identification; Sensitivity performed when appropriate; varies by host species, source, and organism	2-7 days	\$70.06
<b>Fungal Culture</b>	<b>7145</b>	○ WTT/sterile tube Culture swab or fluid/tissue in WTT or sterile tube	Fungal culture and identification	Up to 26 days for final report	\$70.06
<b>Mycobacterium Culture†</b>	<b>MYCO</b>	Intestine, lymph node, rectal, or skin biopsy in sterile, leakproof container		60 days	\$104.47
<b>Acid-Fast Stain, Non-Avian/Reptile</b>	<b>ACIDFAST</b>	○ WTT/sterile tube Culture swab or fluid/tissue in WTT or sterile tube	For detection of acid-fast positive bacilli	1-4 days	\$43.28
<b>Fungal Susceptibility 1 Drug†</b>	<b>FUNGALSUS1</b>		Add-on susceptibility to fungal plate grown at Zoetis Reference Laboratories.	1-2 weeks	\$136.87
<b>Fungal Susceptibility 2 Drugs†</b>	<b>FUNGALSUS2</b>		Add-on susceptibility to fungal plate grown at Zoetis Reference Laboratories.	1-2 weeks	\$216.50



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Microbiology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Fungal Susceptibility 3 Drugs<sup>†</sup></b>	<b>FUNGALSUS3</b>		Add-on susceptibility to fungal plate grown at Zoetis Reference Laboratories.	1-2 weeks	\$296.13
<b>Skin Culture and Sensitivity (Dermatology)</b>	<b>25001434</b>	○ WTT, Culture swab Culture swab or fluid/tissue in WTT/sterile tube	Aerobic bacterial culture of SKIN specimens. Bacterial identification; antimicrobial susceptibility testing performed when appropriate; varies by organism, source, and host species.	2-5 days	\$63.66

# Serology/Infectious Diseases

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Coggins AGID, Paper Submission</b>	<b>COGAGID</b>	● ● SST, RTT 1 mL serum 		2-5 days	\$31.83
<b>Coggins ELISA, Paper Submission</b>	<b>COGELISA</b>	● ● SST, RTT 1 mL serum 		1-4 days	\$31.83
<b>Coggins AGID, Electronic Submission</b>	<b>E1560</b>	● ● SST, RTT 1 mL serum 		2-5 days	\$19.12
<b>Coggins ELISA, Electronic Submission</b>	<b>E1561</b>	● ● SST, RTT 1 mL serum 		1-4 days	\$19.12

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Aspergillus Titer AGID<sup>†</sup></b>	<b>ASP</b>	<ul style="list-style-type: none"> <li>○ SST</li> <li>1 mL serum</li> <li></li> </ul>	IgG	3-5 days	\$111.96
<b>Blastomyces Quantitative Antigen EIA<sup>†</sup></b>	<b>BLASTANT</b>	<ul style="list-style-type: none"> <li>○ ● ● ● SST, LTT, GRNTT, BTT</li> <li>1.2 mL serum or plasma, separated; or 0.8 mL CSF; or 0.5 mL urine or BAL fluid</li> <li></li> </ul>		2-5 days	\$145.13
<b>Coccidioides Titer AGID<sup>†</sup></b>	<b>6129</b>	<ul style="list-style-type: none"> <li>○ SST</li> <li>1 mL serum</li> <li></li> </ul>	IgG, IgM	3-5 days	\$107.68
<b>Equine Viral Arteritis<sup>†</sup></b>	<b>EVA</b>	<ul style="list-style-type: none"> <li>○ ● SST, RTT</li> <li>1 mL serum</li> <li></li> </ul>		5-9 days	\$142.70
<b>Leptospira MAT, 5 Serovar<sup>†</sup></b>	<b>6164</b>	<ul style="list-style-type: none"> <li>● RTT</li> <li>0.5 mL serum</li> <li></li> </ul>	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	\$109.57
<b>Leptospira MAT, 5 Serovar &amp; PCR<sup>†</sup></b>	<b>6163</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> <li>0.5 mL serum in RTT for MAT; For PCR:</li> <li>1. 5 mL urine;</li> <li>2. 1 mL EDTA whole blood;</li> <li>3. Urine and EDTA whole blood;</li> <li>4. 1 gm tissue (eg, kidney and/or liver);</li> <li>5. 1 mL ocular fluids; or</li> <li>6. Bacterial culture</li> <li></li> </ul>	MAT includes 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	\$147.40

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Sarcocystis neurona</b> by Western Blot†	<b>SNEURONA</b>	●● SST, RTT 1 mL serum or 1 mL CSF (RTT) 		5-7 days	\$159.04
<b>Aspergillus Galactomannan Antigen</b> EIA†	<b>ASPGUR</b>	● RTT 0.8 mL serum (separated), CSF, urine, or BAL fluid 		2-5 days	\$153.71
<b>Cryptococcus Antigen Titer</b> by Latex Agglutination	<b>7216</b>	●● SST, RTT 0.5 mL serum or CSF 		1-2 days	\$95.54
<b>Equine Protozoal Myelitis IFA Titers (SarcoFluor™ &amp; NeoFluor™)†</b>	<b>EPMIFAT</b>	● RTT 2 mL separated serum OR 2 mL CSF  Serum/Plasma  CSF	SarcoFluor detects <i>Sarcocystis neurona</i> antibodies; NeoFluor detects <i>Neospora hughesi</i> antibodies.	7-12 days	\$221.49
<b>Histoplasma Quantitative Antigen</b> EIA†	<b>HISTOANT</b>	●●●● SST, RTT, LTT, GRNTT, BTT 1.2 mL serum or plasma, separated; or 0.8 mL CSF; or 0.5 mL urine or BAL fluid 		2-5 days	\$145.13
<b>Lyme Multiplex Test, Equine†</b>	<b>LYMEMPLXEQ</b>	● RTT 2 mL serum; 1 mL CSF 		5-7 days	\$123.73
<b>Pythium Serology†</b>	<b>OOPYTHIUM</b>	● RTT 0.5 mL serum 		3-5 days	\$147.27

# Serology/Infectious Diseases (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Streptococcus equi</i> ELISA†	STREPEQUI	● RTT 1 mL serum 		5-7 days	\$148.34
Equine Protozoal Myelitis IFA Titer (SarcoFluor™)†	SARCOIFAT	● RTT 2 mL separated serum OR 2 mL CSF ❄ Serum/Plasma  CSF	SarcoFluor detects <i>Sarcocystis neurona</i> antibodies.	7-12 days	\$146.59
West Nile Virus IgM ELISA†	WESTNILE	●● SST, RTT 2 mL serum 		3-5 days	\$86.28
Caseous Lymphadenitis ( <i>Corynebacterium pseudotuberculosis</i> ) Titer†	CALYMTTR	●● SST, RTT 2 mL serum 		3-5 days	\$84.14
Equine Influenza (HAI)†	EQINFLUENZA	● RTT 2 mL serum 		7-10 days	\$92.70
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	\$147.27
Potomac Horse Fever ( <i>Neorickettsia risticii</i> ) IFA†	POTOMAC	○ SST 1 mL serum 	IgG	5-7 days	\$115.17
<i>Rhodococcus equi</i> ELISA†	RHODOCOCCUS	●● SST, RTT 1 mL serum 		3-5 days	\$68.48

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Drug Screen, Firocoxib†	DGSCRFIRO	<p>●●● SST, RTT, LTT 10 mL serum or EDTA plasma</p> 		2-4 days	\$355.92
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 <b>1-888-965-9652</b> for more information.	7-10 days	\$216.82
Quantitative Copper (Blood or Tissue)†	6171	<p>●●● RTT, LTT, GRNTT 2 mL serum or whole blood (EDTA or heparin) or 50 mg wet tissue (fresh, frozen, fixed, or embedded in a paraffin block)</p>		7-10 days	\$194.61
Selenium and Trace Elements Screen†	SELETREL	<p>●● LTT, RBTT 2 mL serum (RBTT) AND 1 mL EDTA whole blood (LTT)</p> <p> Whole blood  Serum/Plasma</p>	Se, Ca, Cu, Fe, Mg, Phos, Zn. This test requires both EDTA whole blood and serum. For serum, collect whole blood into a RBTT with clot activator (no anticoagulant) and centrifuge to separate serum. Aliquot serum into a new RBTT with clot activator. Hemolysis may affect calcium, copper, iron, magnesium, phosphorus, selenium, and zinc levels. Whole blood shipped chilled with an ice pack, serum shipped chilled or frozen with an ice pack.	7-10 days	\$134.81
Zinc, Serum/Plasma†	ZINC	<p>●● RBTT, RTT 2 mL Na EDTA plasma or separated serum (no SST)</p> 		3-5 days	\$108.75
Anticoagulant (Rodenticide)†	ANTICOAG	<p>● LTT 3 mL EDTA whole blood</p> 	Includes brodifacoum, bromadiolone, chlorophacinone, difenacoum, difethialone, diphacinone, and warfarin	6-12 days	\$197.90

# Clinical Pharmacology/Toxicology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Drug Screen, NSAIDs, Equine†</b>	<b>DSNSAIDS</b>	<p>●●● SST, RTT, LTT 10 mL serum or EDTA plasma</p> 	Multiple drugs tested, updated periodically. Call Customer Service at <b>1-888-965-9652</b> for more information.	2-4 days	\$141.92
<b>Drugs of Abuse†</b>	<b>DOA</b>	<p>●● SST, RTT 10 mL serum or urine (10 gm liver or kidney also accepted)</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	\$292.53
<b>LC/Mass Spectrometry Toxicology Screen†</b>	<b>LCMS</b>	<p>● RTT 20 mL fluid; 50 gm tissue; 50 gm feed; OR 50 gm source material</p> 	Toxicology screen for unknown exposure	2-3 weeks	\$248.33
<b>Blood Lead†</b>	<b>6240</b>	<p>●● LTT, GRNTT 0.5 mL EDTA or heparinized whole blood</p>		5-7 days	\$114.10
<b>Gabapentin†</b>	<b>GAB</b>	<p>●● LTT, RTT (no SST) 0.5 mL EDTA plasma or serum (no SST)</p>		3-5 days	\$142.99
<b>Toxic Heavy Metal Panel†</b>	<b>25001395</b>	<p>●●● LTT, GRNTT, BTT 5 mL EDTA, heparinized, or citrated whole blood; 3 gm tissue (liver or kidney)</p> 	Quantitative analysis of arsenic, cadmium, lead, thallium, mercury, selenium	6-12 days	\$218.96



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

## Histopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Histopathology Simple, Single Site</b>	<b>ZN100</b>	Formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Single site</li> <li>- No more than 10 cm in any dimension</li> <li>- <b>Not for dermatologic disease</b> or with other criteria of Complex Level 1 or 2</li> </ul>	3-7 days	\$90.95
<b>Histopathology Simple, Multiple Sites (Up to 5 Sites)</b>	<b>ZN101</b>	Formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Simple samples from up to 5 unique sites</li> <li>- No more than 10 cm in any dimension</li> </ul>	3-7 days	\$133.75
<b>Histopathology Complex, Level 1</b>	<b>ZN102</b>	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Skin biopsies for dermatologic disease (without dermatologist consult)</li> <li>- Multiple gastrointestinal biopsies</li> <li>- Bone marrow</li> <li>- 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</li> <li>- Large samples (&gt;10cm in any dimension)</li> <li>- Individual teeth or other small samples containing bone</li> <li>- Simple samples from 6-15 unique sites</li> <li>- Formalin-fixed whole bodies &lt;300 g</li> </ul>	3-9 days	\$168.25
<b>Histopathology Complex, Level 2</b>	<b>ZN103</b>	Fresh or formalin-fixed tissue	<ul style="list-style-type: none"> <li>- Mandible, maxilla (all jaws, regardless of size)</li> <li>- Amputated limb</li> <li>- Other large/atypical samples containing bone</li> <li>- Multiple Complex Level 1 samples</li> <li>- Simple samples from &gt;15 sites.</li> </ul>	Varies by nature of sample	\$213.93

## Specialty Histopathology Tests

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Dermatopathology Panel</b>	<b>ZN400</b>	<ul style="list-style-type: none"> <li>- Formalin-fixed skin biopsies</li> <li>- Detailed history and clinical images are required</li> <li>- Images can be sent to: <a href="mailto:referencelabpathology@zoetis.com">referencelabpathology@zoetis.com</a></li> </ul>	<ul style="list-style-type: none"> <li>- Biopsy report by dermatopathologist</li> <li>- Addendum with case management guidance from boarded dermatologist</li> </ul>	Dermatopathology: 3-7 days. Consult provided after dermatopathology.	\$184.67
<b>Nephropathology (Renal) Panel</b>	<b>ZN25000541</b>	<ul style="list-style-type: none"> <li>- 1 or more 14G to 18G core needle biopsy, a wedge biopsy, or other larger renal sample (eg, nephrectomy)</li> <li>- Detailed history is required</li> <li>- Images can be sent to: <a href="mailto:referencelabpathology@zoetis.com">referencelabpathology@zoetis.com</a></li> </ul>	<ul style="list-style-type: none"> <li>- Biopsy report by kidney specializing pathologist</li> <li>- H&amp;E, PAS, trichrome, Jones methenamine silver stains (Congo Red also included, if indicated)</li> </ul>	3-7 days	\$230.05

## Cytopathology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Cytopathology Simple/ Single Site	7120	<ul style="list-style-type: none"> <li>LTT</li> </ul> <b>Unstained, air-dried slides; fluid from a mass in LTT</b> <ul style="list-style-type: none"> <li>Slides</li> <li>Liquid</li> </ul>	For the following sample types: <ul style="list-style-type: none"> <li>Single lesion/tissue (FNA, swab, impression smear)</li> <li>Single or multiple lymph nodes</li> <li>Single joint (slides only)</li> <li>Fluid from mass lesion (cytology only)</li> </ul>	1-2 days	\$96.30
Cytopathology Complex	7201	<ul style="list-style-type: none"> <li>LTT</li> </ul> <b>Unstained, air-dried slides and/or fluid in LTT</b> <ul style="list-style-type: none"> <li>Slides</li> <li>Liquid</li> </ul>	For the following sample types: <ul style="list-style-type: none"> <li>Multiple lesions/tissues (FNA, swab, impression smear)</li> <li>Joint fluid in LTT (single or multiple)</li> <li>Multiple joints (slides only)</li> <li>Cavitary effusion (single or multiple)</li> <li>CSF</li> <li>Bone marrow</li> <li>BAL/TTW</li> <li>Other fluids/lavage</li> </ul>	1-2 days	\$130.52

# Clinical Immunology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Complete Amino Acid Profile†	COMPAA	● GRNTT 1 mL separated heparinized plasma ❄️		7-9 days	\$235.73
Allergy Panel, Equine†	6307	●● SST, RTT 3 mL serum		10-14 days	\$361.27
Protein Electrophoresis	6345	●● SST, RTT, sterile leakproof container 0.5 mL serum, >10 mL urine 📄		3-6 days	\$70.06
IgM, Equine	25000540	●● SST, RTT 2 mL serum 📄		1-3 days. Preliminary reported at 4 hours after setup. Final results at 24 hours after setup.	\$39.56
IgG, Equine	FOALIGG	●● SST, RTT 2 mL serum 📄		1-3 days. Preliminary reported at 4 hours after setup. Final results at 24 hours after setup.	\$39.56
IgG, Equine: Rapid, Semi-Quantitative	FOALIGGRAP	●●● SST, RTT, LTT 1 mL fresh whole blood or serum 📄		1-2 days	\$49.46

Canine/Feline | **Large Animal** | Avian, Exotic & Small Mammal | PCR

# Nutrition

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Selenium†	SELENIUM	<ul style="list-style-type: none"> <li>●● LTT, RTT (no SST)</li> <li>0.5 mL EDTA whole blood preferred; 0.5 mL serum or EDTA plasma also accepted</li> <li>❄️ Serum/Plasma</li> <li>📄 Whole blood</li> </ul>		3-5 days	\$100.19
Trace Element Screen†	TMINPAN	<ul style="list-style-type: none"> <li>● RBTT</li> <li>2 mL serum from RBTT</li> <li>❄️</li> </ul>	Ca, Cu, Fe (unbound), Mg, Na, K, Phos, Zn	5-7 days	\$88.16
Thiamine (Vitamin B1)†	THIAMINE	<ul style="list-style-type: none"> <li>●● GRNTT, LTT</li> <li>3 mL EDTA or heparinized whole blood</li> <li>❄️💡</li> </ul>		5-7 days	\$122.16
Vitamin E†	2331	<ul style="list-style-type: none"> <li>●●●● SST, RTT, LTT, GRNTT</li> <li>1.5 mL serum or heparinized or EDTA plasma, separated</li> <li>❄️💡</li> </ul>		3-5 days	\$100.19
Vitamin E and Mineral Panel†	VITEMINE	<ul style="list-style-type: none"> <li>●●● RTT, LTT, RBTT</li> <li>1 mL EDTA whole blood, 1 mL RBTT serum (separated), 1 mL serum no-additive RTT (separated and protected from light)</li> <li>❄️💡</li> </ul>	Vit E, Ca, Cu, Fe, Mg, Phos, Zn, Se This test requires EDTA whole blood, serum from a royal blue top tube (RBTT) and serum from a no-additive RTT. For RBTT serum, collect blood into RBTT with clot activator (no anticoagulant), allow clot to form, centrifuge and separate serum. Separated serum to be placed in new RBTT for shipment to lab. Label tube serum for no-additive RTT, collect blood into no-additive RTT, allow clot to form, centrifuge and separate serum. Separated serum to be placed in new no-additive RTT and wrap with foil to protect from light. Samples should be kept refrigerated and shipped chilled on an ice pack.	8-10 days	\$144.89

# Nutrition (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Vitamin A†	VITA	●●●● SST, RTT, LTT, GRNTT 1.5 mL serum or EDTA or heparinized plasma, separated 		3-5 days	\$100.19



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

# Add-Ons

KEY

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	Price
Anaerobic ID Add-on	A7157	○ WTT/sterile tube Culture swab or fluid/tissue in WTT, anaerobic transport medium, or sterile tube.		2-7 days	\$32.45
Cortisol Add-on	A5101	● RTT 0.5 mL serum 		8 AM next day (1-2 days for feline/equine samples)	\$13.67
Free (Ionized) Calcium (Mich. State Univ.) Add-on†	A6304	● RTT 0.5 mL serum, separated Ensure that the sample is treated anaerobically. 		3-6 days	\$70.62
Free T4 Add-on	A5103	○ ● SST, RTT 0.5 mL serum 		8 AM next day	\$16.83
Reticulocyte Count Add-on	25000525	● LTT 0.5 mL EDTA whole blood 		8 AM next day	\$15.76
Total T4 Add-on	A5102	○ ● SST, RTT 0.5 mL serum 		8 AM next day	\$14.41
Triglycerides Add-on	A1023	○ ● SST, RTT 0.5 mL serum 		8 AM next day	\$7.59

## Add-Ons (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Urine Protein:Creatinine Ratio Add-on	A1555	<input type="radio"/> <input checked="" type="radio"/> WTT, Urine 1 mL urine in sterile container 		8 AM next day	\$14.41
Urinalysis Add-on	25001700	<input type="radio"/> <input checked="" type="radio"/> WTT, Urine 5 mL urine in a sterile container 		8 AM next day	\$14.41
Urinalysis with Reflex UPC Add-on	25001701	<input type="radio"/> <input checked="" type="radio"/> WTT, Urine 5 mL urine in sterile container 			\$19.77



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)



# Avian, Exotic & Small Mammal

Canine/Feline | Large Animal | **Avian, Exotic & Small Mammal** | PCR

# Bundles

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Well Bird Panel Package†</b>	<b>25001468</b>	<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	\$160.29
<b>Advanced Reptile Panel†</b>	<b>25001448</b>	<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	\$167.16
<b>Basic Reptile Panel†</b>	<b>25001454</b>	<p>●● RTT, GRNTT, slides 0.1 mL heparinized whole blood, slides, 0.25 mL serum or plasma</p> 	CBC, Basic Reptile Chem Panel, EPH	4-5 days	\$156.85
<b>Basic Mammal Panel†</b>	<b>25001452</b>	<p>●●● RTT, LTT, GRNTT, slides 0.1 mL EDTA whole blood, slides, 0.2 mL serum or plasma</p> 	CBC, Basic Mammal Chem Panel, EPH	4-5 days	\$210.35

# Hematology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Fibrinogen Heat Precipitation Method†</b>	<b>25001457</b>	<ul style="list-style-type: none"> <li>LTT</li> <li>0.1 mL EDTA whole blood</li> </ul> 		3-5 days	\$80.14
<b>Mini Avian Panel †</b>	<b>25001459</b>	<ul style="list-style-type: none"> <li>LTT, GRNTT</li> <li>0.1 mL EDTA whole blood, slides, 0.1 mL heparinized plasma</li> </ul> 	CBC, Electrophoresis	4-5 days	\$120.21
<b>Elasmobranch CBC and Diff†</b>	<b>25001455</b>	<ul style="list-style-type: none"> <li>GRNTT, slides</li> <li>0.1 mL heparinized whole blood, slides</li> </ul> 		3-5 days	\$101.90
<b>Mini Elasmobranch Panel†</b>	<b>25001460</b>	<ul style="list-style-type: none"> <li>GRNTT, 2 slides</li> <li>0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma</li> </ul> 	CBC, Electrophoresis	4-5 days	\$120.21
<b>CBC Hemocytometer Cnt Man Diff Reptile†</b>	<b>25001444</b>	<ul style="list-style-type: none"> <li>GRNTT, slides</li> <li>0.1 mL heparinized whole blood, slides</li> </ul> 	Automated count and manual diff.	3-5 days	\$101.90
<b>Reptile CBC and Diff†</b>	<b>25001447</b>	<ul style="list-style-type: none"> <li>GRNTT, slides</li> <li>0.1 mL heparinized whole blood, slides</li> </ul> 	By gold standard hemocytometer/Natt & Herrick's method	3-5 days	\$101.90
<b>Mini Reptile Panel†</b>	<b>25001462</b>	<ul style="list-style-type: none"> <li>GRNTT, 2 slides</li> <li>0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma</li> </ul> 		4-5 days	\$120.21

Canine/Feline | Large Animal | **Avian, Exotic & Small Mammal** | PCR

## Hematology (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Mini Mammal Panel†	25001461	<ul style="list-style-type: none"> <li>LTT, GRNTT, slides</li> <li>0.1 mL EDTA whole blood, slides, 0.1 mL heparinized plasma</li> </ul> 	CBC, Electrophoresis	4-5 days	\$125.94
Mini Teleost Panel†	25001463	<ul style="list-style-type: none"> <li>GRNTT, 2 slides</li> <li>0.1 mL heparinized whole blood, 2 slides, 0.1 mL heparinized plasma</li> </ul> 	CBC, Electrophoresis	4-5 days	\$120.21
Teleost CBC and Diff†	25001465	<ul style="list-style-type: none"> <li>GRNTT, slides</li> <li>0.1 mL heparinized whole blood, slides</li> </ul> 		3-5 days	\$101.90
CBC Automated Count Manual Diff Mammal†	25001443	<ul style="list-style-type: none"> <li>LTT, slides</li> <li>0.1 mL EDTA whole blood, slides</li> </ul> 	Automated count and manual diff.	3-5 days	\$101.90

## Chemistry

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Lipoprotein Chemistry Panel†	25001458	<ul style="list-style-type: none"> <li>GRNTT</li> <li>0.1 mL heparinized plasma</li> </ul> 		4-5 days	\$105.33
Adv Avian Chem Panel†	25001437	<ul style="list-style-type: none"> <li>RTT, GTT</li> <li>0.3 mL heparinized plasma</li> </ul> 	Amylase, AST, BUN, Creat, Ca, Chol, Cl, CO2, CPK, GGT, Glu, Lipase, Mg, Phos, Potassium, Sodium, TP, Trig, Uric Acid, GLDH	4-5 days	\$139.68

Canine/Feline | Large Animal | **Avian, Exotic & Small Mammal** | PCR

# Chemistry (cont'd)

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Adv Mammal Chem Panel†</b>	<b>25001438</b>	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> </ul> 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	\$139.68
<b>Adv Reptile Chem Panel†</b>	<b>25001439</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 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	\$139.68
<b>Bile Acids †</b>	<b>25001442</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 0.1 mL heparinized plasma 		3-5 days	\$91.59
<b>Basic Avian Chemistry Panel†</b>	<b>25001450</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 0.2 mL heparinized plasma 	AST, Ca, Glu, TP, Uric Acid, CPK, Phos	4-5 days	\$104.19
<b>Elasmobranch Chemistry Panel†</b>	<b>25001456</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 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	\$133.95
<b>Basic Reptile Chemistry Panel†</b>	<b>25001453</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 0.25 mL heparinized plasma 	AlkPhos, AST, CPK, Ca, Cl, GGT, Glu, K, Na, Phos, TP, Trig, Uric Acid	4-5 days	\$123.65
<b>Basic Mammal Chemistry Panel†</b>	<b>25001451</b>	<ul style="list-style-type: none"> <li>● ● RTT, GRNTT</li> </ul> 0.2 mL serum or heparinized plasma 	ALT, BUN, Crea, Glu, Phos, Ca, TP	4-5 days	\$104.19
<b>Teleost Chemistry Panel†</b>	<b>25001466</b>	<ul style="list-style-type: none"> <li>● GRNTT</li> </ul> 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	\$133.95

# Endocrinology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
T4, Total (Mammals Only)†	25001464	<ul style="list-style-type: none"> <li>GRNTT</li> <li>0.1 mL heparinized plasma</li> </ul> 		3-5 days	\$99.61

# Microbiology

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Sex Determination (Psittacine)†	25001539	<ul style="list-style-type: none"> <li>GRNTT</li> <li>0.1 mL whole heparinized whole blood</li> </ul>		7-10 days	\$80.14

# Serology/Infectious Diseases

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Aspergillus Panel PLUS †	25001440	<ul style="list-style-type: none"> <li>GRNTT</li> <li>0.25 mL heparinized plasma</li> </ul> 	Antibody (both assays), EPH + Galactomannan, Gliotoxin	3-5 days	\$217.53
Aspergillus Panel – PenguinPLUS †	25001449	<ul style="list-style-type: none"> <li>GRNTT</li> <li>0.25 mL heparinized plasma</li> </ul> 	Hydroxybutyrate, EPH, Gliotoxin	4-5 days	\$166.01

# Clinical Immunology

KEY

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Protein Electrophoresis (EPH) †	25001446	● GRNTT 0.1 mL heparinized plasma 		3-5 days	\$95.03

## Nutrition

Test Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
Vitamin D (25-Hydroxy) Mammals Only†	25001467	● ● RTT, GRNTT 0.1 mL heparinized plasma or serum 		3-5 days	\$99.61



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)



# PCR

Comprehensive PCR test menu provided by the University of Georgia College of Veterinary Medicine.

[Canine/Feline](#) | [Large Animal](#) | [Avian, Exotic & Small Mammal](#) | [PCR](#)

# Tests

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Adult Equine Diarrhea PCR Panel†</b>	<b>25001469</b>	● 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	\$212.93
<b>Anaplasma/Ehrlichia PCR†</b>	<b>25001470</b>	● LTT EDTA whole blood (minimum 0.5 mL)	All species of <i>Anaplasma</i> and <i>Ehrlichia</i>	3-5 days	\$100.75
<b>Anemia PCR Panel, Canine†</b>	<b>25001471</b>	● 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	3-5 days	\$187.25
<b>Anemia PCR Panel, Feline†</b>	<b>25001472</b>	● 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	3-5 days	\$181.90
<b>Babesia spp (genus) PCR†</b>	<b>25001473</b>	● LTT EDTA whole blood (minimum 0.5 mL)		3-5 days	\$111.82
<b>Bartonella spp (genus) PCR†</b>	<b>25001474</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL), synovial fluid (minimum 0.25 mL)		3-5 days	\$111.82
<b>Blood Bank Disease PCR Panel, Canine†</b>	<b>25001475</b>	● 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>	7-12 days	\$214.00
<b>Bordetella bronchiseptica PCR†</b>	<b>25001476</b>	● RTT Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days	\$100.75

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b><i>Borrelia burgdorferi</i> (Lyme) PCR†</b>	<b>25001477</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> </ul> EDTA whole blood (minimum 0.5 mL), synovial fluid (minimum 0.25 mL)		3-5 days	\$111.82
<b><i>Brucella spp</i> (genus) PCR†</b>	<b>25001478</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT, YTT</li> </ul> Fresh affected tissue, body fluids, swabs, EDTA whole blood (0.5 mL minimum), urine		3-5 days	\$118.74
<b><i>Campylobacteri coli</i> PCR†</b>	<b>25001480</b>	<ul style="list-style-type: none"> <li>● Feces</li> </ul> 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	\$100.75
<b><i>Campylobacteri jejuni</i> PCR†</b>	<b>25001479</b>	<ul style="list-style-type: none"> <li>● Feces</li> </ul> 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	\$100.75
<b>Canine Adenovirus PCR†</b>	<b>25001481</b>	<ul style="list-style-type: none"> <li>● RTT, Culture swab</li> </ul> Nasopharyngeal or conjunctival swab, transtracheal wash, feces, fresh affected tissue		3-5 days	\$100.75
<b>Canine Puppy Diarrhea PCR w O&amp;P, Giardia</b>	<b>25001623</b>	O&P: 3g fresh feces Giardia: 5g fresh feces Diarrhea Panel: <ul style="list-style-type: none"> <li>● Feces</li> </ul> 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	\$107.91



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Adult Canine Diarrhea PCR Panel†</b>	<b>25001618</b>	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	\$198.49
<b>Canine Distemper Virus (CDV) PCR†</b>	<b>25001482</b>	● ● RTT, LTT, Culture swab 0.5 mL EDTA whole blood (preferred), fresh tissue, CSF, nasopharyngeal swab, bronchoalveolar lavage or transtracheal wash		3-5 days	\$111.82
<b>Canine Herpesvirus 1 (CHV-1) PCR†</b>	<b>25001483</b>	● RTT, Culture swab Fresh affected tissue (e.g. liver), nasopharyngeal or corneal swab		3-5 days	\$100.75
<b>Canine Influenza PCR†</b>	<b>25001484</b>	● RTT, Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	Influenza A subtypes	3-5 days	\$100.75
<b>Canine Mycoplasma PCR†</b>	<b>25001485</b>	● RTT, Culture swab Nasopharyngeal swabs, nasal swab, transtracheal wash, bronchiolar lavage, respiratory tissue	<i>Mycoplasma canis</i> and <i>Mycoplasma cynos</i>	3-5 days	\$100.75
<b>Canine Neurological Disease, Central Nervous System PCR Panel†</b>	<b>25001486</b>	○ 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	\$168.88

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Canine Parvovirus (CPV) PCR†</b>	<b>25001487</b>	● Feces 1 g feces, 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	\$111.82
<b>Canine Puppy Diarrhea PCR Panel†</b>	<b>25001488</b>	● 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	\$204.37
<b>Canine Reproductive/ Abortion PCR Panel†</b>	<b>25001489</b>	● RTT Placenta, fetal tissue	<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	7-14 days	\$156.85
<b>Canine Respiratory PCR Panel†</b>	<b>25001490</b>	● RTT, Culture swab Affected tissue, deep nasal swab, needle aspirates, bronchoalveolar lavage, pleural fluid, CSF	<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	\$198.49
<b>Chlamydia spp (genus) PCR†</b>	<b>25001491</b>	Culture swab For CATS: corneal scraping, eye/corneal swab. For AVIAN species: choanal/cloacal swab. For CATTLE: vaginal scraping		3-5 days	\$100.75
<b>Chlamydophila felis PCR†</b>	<b>25001492</b>	● RTT, Culture swab Corneal scraping, corneal or conjunctival swab, fresh affected tissue		3-5 days	\$100.75

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Comprehensive (PCR and Serology) Vector Panel, Canine†</b>	<b>K9FCOMP</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> </ul> 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	\$297.33
<b>Comprehensive (PCR and Serology) Vector Panel, Feline†</b>	<b>FELVECTPNL</b>	<ul style="list-style-type: none"> <li>● ● RTT, LTT</li> </ul> 2 mL serum AND 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	\$297.33
<b>Coronavirus – Pan/Consensus PCR†</b>	<b>25001493</b>	<ul style="list-style-type: none"> <li>● Feces</li> </ul> Feces, fecal swab, GI tissue, effusion, EDTA whole blood (0.5 mL minimum), or airway specimens	Universal coronavirus detection	3-5 days	\$101.65
<b>Cryptococcus neoformans PCR†</b>	<b>25001494</b>	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	\$100.75
<b>Cryptosporidium spp (genus) PCR†</b>	<b>25001495</b>	<ul style="list-style-type: none"> <li>● Feces</li> </ul> 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	\$111.82
<b>Cytauxzoon felis PCR †</b>	<b>25001496</b>	<ul style="list-style-type: none"> <li>● LTT</li> </ul> EDTA whole blood (minimum 0.5 mL)		3-5 days	\$100.75
<b>Ehrlichia spp (genus) PCR†</b>	<b>25001498</b>	<ul style="list-style-type: none"> <li>● LTT</li> </ul> EDTA whole blood (minimum 0.5 mL), spleen		3-5 days	\$111.82
<b>Encephalitozoon cuniculi PCR†</b>	<b>25001499</b>	<ul style="list-style-type: none"> <li>● RTT, YTT</li> </ul> Kidney (fresh or frozen), urine, phacoemulsified lens material		3-5 days	\$100.75

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | **PCR**

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Equine Abortion/ Reproduction PCR Panel†</b>	<b>25001500</b>	● 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>	3-5 days	\$166.01
<b>Equine Foal Diarrhea PCR Panel†</b>	<b>25001501</b>	● 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	\$194.07
<b>Equine Herpes Virus type 1 PCR†</b>	<b>25001502</b>	● ● RTT, LTT, Culture swab EDTA whole blood, nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days	\$100.75
<b>Equine Herpes Virus type 4 PCR†</b>	<b>25001503</b>	● ● RTT, LTT, Culture swab EDTA whole blood, nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue		3-5 days	\$100.75
<b>Equine Influenza PCR†</b>	<b>25001504</b>	● RTT, Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	Influenza type A	3-5 days	\$101.65
<b>Equine Respiratory PCR Panel I†</b>	<b>25001505</b>	● RTT, Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage, respiratory tissue	EHV 1 (Equine herpesvirus Type I), Influenza Type A, and <i>Streptococcus equi</i> subsp <i>equi</i>	5-7 days	\$184.04

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Equine Respiratory PCR Panel III†</b>	<b>25001506</b>	● RTT, 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	5-7 days	\$184.04
<b>Equine Tickborne Disease PCR Panel†</b>	<b>25001507</b>	● ● RTT, 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 Piroplasmiasis ( <i>Babesia caballi</i> , <i>Theileria equi</i> ) is suspected specimens must be submitted to USDA NVSL for testing.	3-5 days	\$163.71
<b>Eubacteria Universal DNA – 16S rRNA PCR†</b>	<b>25001508</b>	● RTT, Culture swab Affected tissue or body fluids, bacterial isolate	Universal Bacterial PCR	3-5 days	\$100.75
<b>Feline Calicivirus PCR†</b>	<b>25001509</b>	Culture swab Conjunctival swab, oropharyngeal swab, nasopharyngeal swab		3-5 days	\$100.75
<b>Feline Coronavirus PCR†</b>	<b>25001510</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL)	Test for FIP diagnosis, pan-coronavirus PCR	3-5 days	\$101.65
<b>Feline Diarrhea PCR Panel†</b>	<b>25001511</b>	● 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	\$181.37



See the complete Directory of Services online at [zoetisreflabs.com/DOS](https://zoetisreflabs.com/DOS)

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Feline Diarrhea PCR† with O&amp;P, Giardia</b>	<b>25001626</b>	O&P: 3g fresh feces <i>Giardia</i> : 5g fresh feces Diarrhea Panel: ● Feces 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	\$117.76
<b>Feline Hemotropic (blood) Mycoplasma PCR†</b>	<b>25001512</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL), spleen	<i>Mycoplasma haemofelis</i> and <i>Mycoplasma haemominutum</i>	3-5 days	\$101.65
<b>Feline Herpes and Chlamydomphila felis PCR Combo†</b>	<b>25001513</b>	Culture swab Corneal or conjunctival scraping, conjunctival swab, oronasal swab		3-5 days	\$105.93
<b>Feline Herpesvirus PCR†</b>	<b>25001514</b>	Culture swab Corneal scraping, oropharyngeal, nasopharyngeal, or conjunctival swab		3-5 days	\$111.82
<b>Feline Immunodeficiency Virus FIV PCR†</b>	<b>25001515</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL), bone marrow		3-5 days	\$111.82
<b>Feline Leukemia Virus (FeLV) PCR†</b>	<b>25001516</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL), bone marrow		3-5 days	\$111.82
<b>Feline Neurological Disease PCR Panel†</b>	<b>25001517</b>	● RTT 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	\$192.60

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b>Feline Ocular PCR Panel†</b>	<b>25001518</b>	Culture swab Corneal or conjunctival scraping, conjunctival swab, oronasal swab	Feline herpesvirus, <i>Chlamydomphila felis</i> , Feline calicivirus	3-5 days	\$126.52
<b>Feline Panleukopenia (Parvovirus) PCR†</b>	<b>25001519</b>	Feces, fecal swab, GI tissue, or EDTA whole blood (0.5 mL minimum)		3-5 days	\$111.82
<b>Feline Respiratory PCR Panel 1†</b>	<b>25001520</b>	● RTT, Culture swab Nasal swab, oropharyngeal swab, bronchoalveolar lavage, transtracheal wash, fresh respiratory tissue	Feline herpesvirus, <i>Chlamydomphila felis</i> , <i>Bordetella bronchiseptica</i> , <i>Mycoplasma</i> spp, Influenza A, Feline calicivirus	5-7 days	\$191.53
<b>Fever of Unknown Origin PCR Panel, Canine†</b>	<b>25001521</b>	● ● 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	3-5 days	\$204.37
<b>Fever of Unknown Origin PCR Panel, Feline†</b>	<b>25001522</b>	● ● RTT, LTT, Fecal container, culture swab UGA requires all of the following three samples for this panel: 1. EDTA Whole Blood (minimum 0.5 mL) or affected tissues 2. Oral/Nasal/Ocular Swab 3. Feces or Fecal Swab	<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	\$240.75
<b><i>Francisella tularensis</i> (Tularemia) PCR†</b>	<b>25001523</b>	● ● RTT, LTT Fresh tissue (liver, spleen, lymph node), EDTA whole blood (0.5 mL minimum), respiratory secretions		3-5 days	\$101.65
<b>Fungal Sequencing and PCR on Tissue Block†</b>	<b>FUNGSEQPCR</b>	One paraffin block and two unstained slides		21 days	\$374.55

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b><i>Giardia intestinalis</i> PCR†</b>	<b>25001524</b>	● 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	\$100.75
<b><i>Helicobacter</i> spp (genus) PCR†</b>	<b>25001525</b>	● 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	\$111.82
<b><i>Leishmania</i> spp (genus) PCR†</b>	<b>25001526</b>	● ● RTT, 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	\$100.75
<b><i>Leptospira</i> MAT, 5 Serovar &amp; PCR†</b>	<b>6163</b>	● ● 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	MAT includes 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	\$147.40
<b><i>Leptospira</i> spp (genus) PCR†</b>	<b>25001527</b>	● ● RTT, LTT, YTT Urine, EDTA whole blood (minimum 0.5 mL) Fresh kidney or liver, placenta, fetal tissue. Keep cold and ship overnight on ice. For increased diagnostic sensitivity please send both Blood and Urine.		3-5 days	\$101.65
<b><i>Listeria</i> spp (genus) PCR†</b>	<b>25001528</b>	● RTT, Culture swab Brain (fresh), CNS swab, CSF (minimum 0.5 mL)		3-5 days	\$100.75

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Mycobacterium</i> spp (genus) PCR†	25001529	● RTT, Culture swab Affected tissue preferred, body fluids, swabs, feces, bacterial isolate		3-5 days	\$111.63
<i>Mycoplasma</i> spp (genus) PCR†	25001530	● LTT, Culture swab Affected tissue, body fluids, or swabs from affected sites		3-5 days	\$100.75
<i>Neospora caninum</i> PCR†	25001531	● ● ● RTT, LTT, Feces Fresh tissue (brain, fetal tissue), CSF (minimum 0.5 mL), feces		3-5 days	\$100.75
<i>Nocardia</i> spp (genus) PCR†	25001532	● RTT, Culture swab Fresh tissue, swabs from affected sites		3-5 days	\$100.75
Pan-Fungal PCR†	25001533	● RTT, 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	\$101.65
PCR Formalin-Fixed Paraffin Embed Tissue†	25001534	● RTT Formalin fixed paraffin embedded tissue. Please submit 2-3 sliced scrolls in 1.5 mL micro-centrifuge tube.		5-7 days	\$88.74
<i>Rhodococcus equi</i> PCR†	25001535	● ● ● RTT, 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	\$111.82

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<b><i>Rickettsia</i> spp (genus) PCR†</b>	<b>25001536</b>	● ● RTT, LTT EDTA whole blood (minimum 0.5 mL), fresh tissue		3-5 days	\$100.75
<b>Ringworm, PCR, Canine/Feline†</b>	<b>25001616</b>	Sterile leakproof container Sterile collection tube 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	\$153.42
<b>Ringworm, PCR, Equine†</b>	<b>25001617</b>	Sterile leakproof container Sterile collection tube Lesion biopsy, lesion swab, or plucked hairs that include roots and attached epithelial cells	<i>Trichophyton mentagrophytes</i> ( <i>Dermatophytosis</i> )	3-5 days	\$105.33
<b><i>Salmonella enterica</i> PCR†</b>	<b>25001537</b>	● Feces Minimum 2 g feces in a clean leakproof container.		3-5 days	\$101.65
<b>SARS-COV-2 PCR†</b>	<b>25001538</b>	● Feces, Culture swab Nasal swab (preferred), feces		5-7 days	\$187.20
<b><i>Strep equi</i> subsp. <i>zooepidemicus</i> PCR†</b>	<b>25001541</b>	● RTT, Culture swab Nasal swab, lung tissue, lymph node		3-5 days	\$100.75
<b><i>Streptococcus equi</i> subsp. <i>equi</i> PCR†</b>	<b>25001540</b>	● RTT, Culture swab Nasal swab, lung tissue, lymph node		3-5 days	\$101.65
<b>Tickborne Disease PCR Panel Non-equine†</b>	<b>25001542</b>	● ● RTT, 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	5-10 days	\$174.95

Canine/Feline | Large Animal | Avian, Exotic & Small Mammal | PCR

## Tests (cont'd)

KEY

Name	Test Code	Sample Requirements	Components / Notes	TAT	Price
<i>Toxoplasma gondii</i> PCR†	25001543	●●● RTT, LTT, Feces Fresh tissue, urine, feces, EDTA whole blood (minimum 0.5 mL)		3-5 days	\$101.65
<i>Tritrichomonas foetus</i> PCR†	25001544	● Feces, Culture swab Preputial wash, vaginal scraping, cat feces		3-5 days	\$101.65
<i>Trueperella pyogenes</i> PCR†	25001545	● RTT, Culture swab Nasopharyngeal swab, transtracheal wash, bronchoalveolar lavage (BAL), respiratory tissue, abscess, other affected tissues		3-5 days	\$100.75
<i>Trypanosoma cruzi</i> PCR†	25001546	● LTT EDTA whole blood (minimum 0.5 mL)		3-5 days	\$100.75
<i>Ureaplasma</i> spp (genus) PCR†	25001547	● RTT, Culture swab Reproductive tissue or swabs. Respiratory washes, tissue or swabs		3-5 days	\$100.75
<b>Uveitis PCR Panel, Feline†</b>	25001548	● RTT, Culture swab Aqueous fluid, vitreous fluid, corneal scraping, conjunctival swab	<i>Toxoplasma gondii</i> , <i>Feline herpesvirus</i> , Feline coronavirus, <i>Cryptococcus</i> , <i>Bartonella</i> , FeLV, FIV	3-5 days	\$160.29
<i>Yersinia</i> spp (genus) PCR†	25001549	● Feces Minimum 2 g feces in a clean leakproof container		3-5 days	\$100.75



See the complete Directory of Services  
online at [zoetisreflabs.com/DOS](https://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 whole bodies or heads 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](https://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](http://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 \$50.00 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>.

# Alphabetical Test Listing

# Canine & Feline Test Listing

## #

2M Antibody Masticatory Muscle Myositis <sup>†</sup>   <a href="#">6403</a>	84
17-Hydroxyprogesterone, Pre & Post-(ACTH Stim) <sup>†</sup>   <a href="#">17HPROG</a>	59

## A

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

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

## B

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

## Canine & Feline Test Listing (cont'd)

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

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

## Canine & Feline Test Listing (cont'd)

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

Dexamethasone Suppression (3 samples)   <a href="#">6104</a>	59
DGGR Lipase (ZRL Premium Lipase)   <a href="#">1030</a>	62
DGGR Lipase (ZRL Premium Lipase) Add-on   <a href="#">A1030</a>	89
DGGR Lipase (ZRL Premium Lipase), TLI, Cobalamin, and Folate, Canine   <a href="#">7250</a>	62
DIC Panel <sup>+</sup>   <a href="#">6565</a>	41
Digoxin <sup>+</sup>   <a href="#">6320</a>	77
Direct Coombs   <a href="#">2701</a>	44
Direct Coombs Add-on   <a href="#">A2701</a>	90
Drugs of Abuse <sup>+</sup>   <a href="#">DOA</a>	78

### E

<i>Ehrlichia canis</i> (IFA)   <a href="#">EHRCH</a>	75
Endogenous ACTH, Canine <sup>+</sup>   <a href="#">25001384</a>	60
Erythropoietin (EPO) <sup>+</sup>   <a href="#">50227</a>	46
Estradiol, Baseline <sup>+</sup>   <a href="#">ESTRADIOL</a>	60

### F

Fanconi Syndrome Test <sup>+</sup>   <a href="#">FANCONI</a>	86
Fecal Culture   <a href="#">7155</a>	67
Fecal Direct Smear Test   <a href="#">25001610</a>	65
Fecal Occult Blood   <a href="#">7255</a>	64
Fecal Sedimentation Test   <a href="#">25001612</a>	65
Feline Coronavirus (IFA)   <a href="#">CORONAIFA</a>	73
Feline Diarrhea PCR <sup>+</sup> with O&P, <i>Giardia</i>   <a href="#">25001626</a>	38

## Canine & Feline Test Listing (cont'd)

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

Fungal Susceptibility 2 Drugs <sup>†</sup>   <a href="#">FUNGALSUS2</a>	69
Fungal Susceptibility 3 Drugs <sup>†</sup>   <a href="#">FUNGALSUS3</a>	69
Fungal Titer Panel AGID <sup>†</sup>   <a href="#">6130</a>	71

### G

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

### H

Heartworm Antigen Test   <a href="#">6001</a>	65
Heartworm Antigen Test Add-on   <a href="#">A6001</a>	89
Heartworm Antigen Test (Alternate Methodology)   <a href="#">25000533</a>	66
Heartworm Antigen with Heat Treatment   <a href="#">HWHEAT</a>	65
Hemophilia Panel, Canine/Feline <sup>†</sup>   <a href="#">HEMO</a>	43
Hemostasis Panel, Canine/Feline <sup>†</sup>   <a href="#">6560</a>	45
Hepatopathology (Liver) Panel   <a href="#">ZN500</a>	80

## Canine & Feline Test Listing (cont'd)

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

### I

IgA, Canine   <a href="#">IGA</a>	84
IgG, Canine <sup>†</sup>   <a href="#">IGG</a>	84
IgG, IgA, IgM, Canine <sup>†</sup>   <a href="#">IGGAM</a>	84
Immunofixation Free Lt Chain Add-On <sup>†</sup>   <a href="#">25001431</a>	85
Insulin:Glucose Ratio <sup>†</sup>   <a href="#">MSUIG</a>	57
Insulin-like Growth Factor <sup>†</sup>   <a href="#">ILGROFAC</a>	61
Iron Profile <sup>†</sup>   <a href="#">IRONPRO</a>	43
Iron, Serum/Plasma, Canine <sup>†</sup>   <a href="#">IRON</a>	43

### K

Keppra Levels Peak & Trough Samples <sup>†</sup>   <a href="#">KEPPRA</a>	78
---	----

### L

LC/Mass Spectrometry Toxicology Screen <sup>†</sup>   <a href="#">LCMS</a>	78
LDH <sup>†</sup>   <a href="#">LDH</a>	50

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

### M

Magnesium   <a href="#">1016</a>	53
Malignancy (Hypercalcemia) Panel <sup>†</sup>   <a href="#">6555</a>	57
Mast Cell Tumor Prognostic Panel, Canine <sup>†</sup>   <a href="#">6540</a>	82
Mature Cat ClinChem   <a href="#">25000482</a>	48
McMaster (Fecal Egg Counting) Test   <a href="#">2328</a>	65
Melanoma Diagnostic Panel, Canine <sup>†</sup>   <a href="#">6425</a>	82

## Canine & Feline Test Listing (cont'd)

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

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

## P

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

## Canine & Feline Test Listing (cont'd)

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

## S

SDMA   <a href="#">7037</a>	50
SDMA Add-on   <a href="#">AN7037</a>	89
Selenium†   <a href="#">SELENIUM</a>	87
Skin Culture and Sensitivity (Dermatology)   <a href="#">25001434</a>	69
Sodium   <a href="#">1019</a>	53
Stone Analysis†   <a href="#">7032</a>	55

## T

Taurine:Plasma†   <a href="#">TAURPLAS</a>	87
Taurine (Plasma and Whole Blood)†   <a href="#">TAUR</a>	87
Taurine:Whole Blood†   <a href="#">TAURWB</a>	87
Technician Blood Smear Review   <a href="#">SMREV</a>	45
Testosterone, Baseline†   <a href="#">TESTOS</a>	60
Testosterone Post-HCG/GnRH†   <a href="#">TESTPOST</a>	60
Thiamine (Vitamin B1)†   <a href="#">THIAMINE</a>	87
Thyroglobulin Autoantibody†   <a href="#">6437</a>	56
Thyroid Panel   <a href="#">25000484</a>	56
Tick Panel Screening Test + Heartworm Antigen Test   <a href="#">25001389</a>	76
Tick Panel Screening Test   <a href="#">6002</a>	70
Tick Panel Screening Test Add-on   <a href="#">A6002</a>	90
Tick Serology Panel   <a href="#">7185</a>	71
Tick with HW   <a href="#">25001628</a>	71

## Canine & Feline Test Listing (cont'd)

TLI, Canine   <a href="#">6206</a>	63
TLI Canine Add-on   <a href="#">A6206</a>	90
TLI, Cobalamin, and Folate, Canine   <a href="#">7252</a>	63
TLI, Cobalamin, and Folate, Feline (TX GI) <sup>†</sup>   <a href="#">F7251</a>	63
Total Bilirubin   <a href="#">1021</a>	53
Total Protein   <a href="#">1022</a>	54
Total T3 (TT3), Canine/Feline <sup>†</sup>   <a href="#">1396</a>	56
Total T4   <a href="#">5102</a>	56
Total T4 Add-on   <a href="#">A5102</a>	91
Toxic Heavy Metal Panel <sup>†</sup>   <a href="#">25001395</a>	78
<i>Toxoplasma gondii</i> ELISA <sup>†</sup>   <a href="#">TOXAB189</a>	71
<i>Toxoplasma gondii</i> ELISA (Canine) & <i>Neospora caninum</i> IFA <sup>†</sup>   <a href="#">K9TOXOPL</a>	74
Trace Element Screen <sup>†</sup>   <a href="#">TMINPAN</a>	87
Triglycerides   <a href="#">1023</a>	50
Triglycerides Add-on   <a href="#">A1023</a>	90
<i>Trypanosoma cruzi</i> (Chagas Disease) IFA Titer <sup>†</sup>   <a href="#">TCRUIFA</a>	74
Trypsin-Like Immunoreactivity (TLI), Feline (TX GI) <sup>†</sup>   <a href="#">6203</a>	63
TSH   <a href="#">5106</a>	56
TSH Add-on   <a href="#">A5106</a>	91
<b>U</b>	
Urinalysis   <a href="#">3000</a>	54
Urinalysis Add-on   <a href="#">25001700</a>	92

Urinalysis with Reflex UPC   <a href="#">25000521</a>	55
Urinalysis with Reflex UPC Add-on   <a href="#">25001701</a>	92
Urinalysis with Reflex UPC Upgrade   <a href="#">25001702</a>	55
Urinalysis with Reflex UPC Upgrade   <a href="#">25001702</a>	104
Urinalysis with Urine Culture & Sensitivity   <a href="#">25001629</a>	37
Urinalysis with Urine Culture & Sensitivity   <a href="#">25001629</a>	54
Urinalysis with Urine Culture & Sensitivity   <a href="#">25001629</a>	67
Urine Cortisol:Creatinine Ratio   <a href="#">3310</a>	59
Urine Cortisol:Creatinine Ratio Add-on <sup>†</sup>   <a href="#">A3310</a>	91
Urine Culture and Sensitivity   <a href="#">7140</a>	67
Urine Culture and Sensitivity Add-on   <a href="#">A7140</a>	91
Urine Electrolyte Panel (for Fractional Excretion) <sup>†</sup>   <a href="#">FREXCRE</a>	55
Urine Protein:Creatinine Ratio   <a href="#">1555</a>	54
Urine Protein:Creatinine Ratio Add-on   <a href="#">A1555</a>	91
<b>V</b>	
Vaccine Titer (Qualitative), Canine   <a href="#">6145</a>	71
Vector Serology Panel, Canine <sup>†</sup>   <a href="#">EXTENTICK</a>	71
Visual Platelet Estimate   <a href="#">2211</a>	45
Vitamin A <sup>†</sup>   <a href="#">VITA</a>	88
Vitamin D (25-hydroxyvitamin D3) <sup>†</sup>   <a href="#">VITD</a>	58
Vitamin D Profile <sup>†</sup>   <a href="#">VITP</a>	58
Vitamin E <sup>†</sup>   <a href="#">2331</a>	88

## Canine & Feline Test Listing (cont'd)

Vitamin E and Mineral Panel† | [VITEMINE](#) 88

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](#) 36

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

## Canine & Feline Test Listing (cont'd)

ZRL™ Senior Complete O&P with HW, Tick   <a href="#">25001652</a>	35
ZRL™ Senior Complete O&P with HW, Tick, Zoetis Premium Lipase (DGGR), TG   <a href="#">25001653</a>	36
ZRL™ Senior Complete with Zoetis Premium Lipase (DGGR), TG   <a href="#">25001655</a>	34
ZRL™ Senior Complete with FT4   <a href="#">25001656</a>	34
ZRL™ Senior Complete with HW, TG   <a href="#">25001657</a>	34
ZRL™ Senior with FT4   <a href="#">25001645</a>	34
ZRL™ Senior with O&P   <a href="#">25001643</a>	34
ZRL™ Senior with O&P, HW   <a href="#">25001644</a>	34

# Large Animal Test Listing

## A

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

## B

Baermann Test (Lungworm)   <a href="#">BAER</a>	110
Basic CBC, Large Animal (Healthy Animals)   <a href="#">7000</a>	97
<i>Blastomyces</i> Quantitative Antigen EIA†   <a href="#">BLASTANT</a>	114
Blood Culture   <a href="#">7150</a>	112

Blood Lead†   <a href="#">6240</a>	118
Buffy Coat   <a href="#">6295</a>	97
BUN   <a href="#">1006</a>	101

## C

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

## Large Animal Test Listing (cont'd)

Cortisol (Baseline/Resting)   <a href="#">5101</a>	105
Creatinine   <a href="#">1010</a>	101
Creatinine Kinase (CK)   <a href="#">1011</a>	102
<i>Cryptococcus</i> Antigen Titer by Latex Agglutination   <a href="#">7216</a>	115
Cryptorchid Panel, Equine <sup>†</sup>   <a href="#">EQCRYPTO</a>	107
Cytopathology Complex   <a href="#">7201</a>	121
Cytopathology Simple/Single Site   <a href="#">7120</a>	121

### D

Dermatopathology Panel (includes Histopathology & Dermatologist Consult)   <a href="#">ZN400</a>	120
Dermatophyte Culture   <a href="#">7160</a>	112
Drug Screen, Firocoxib <sup>†</sup>   <a href="#">DGSCRFIRO</a>	117
Drug Screen, NSAIDs, Equine <sup>†</sup>   <a href="#">DSNSAIDS</a>	118
Drug Screen with Tranquilizers, NSAIDs <sup>†</sup>   <a href="#">DSNSAIDTQ</a>	117
Drugs of Abuse <sup>†</sup>   <a href="#">DOA</a>	118

### E

Endogenous ACTH   <a href="#">ENDOACTH</a>	106
Equine Influenza (HAI) <sup>†</sup>   <a href="#">EQINFLUENZA</a>	116
Equine Metabolic Panel (ACTH, Insulin, Glucose)   <a href="#">EQCUSHING</a>	106
Equine Protozoal Myelitis IFA Titer (NeoFluor™) <sup>†</sup>   <a href="#">NEOIFAT</a>	116
Equine Protozoal Myelitis IFA Titer (SarcoFluor™) <sup>†</sup>   <a href="#">SARCOIFAT</a>	116
Equine Protozoal Myelitis IFA Titers (SarcoFluor™ & NeoFluor™) <sup>†</sup>   <a href="#">EPMIFAT</a>	115

Equine Uterine Culture   <a href="#">7154</a>	111
Equine Viral Arteritis <sup>†</sup>   <a href="#">EVA</a>	114
Erythropoietin (EPO) <sup>†</sup>   <a href="#">50227</a>	98
Estrogens, Total <sup>†</sup>   <a href="#">EQUEST</a>	108
Estrone sulfate, Equine   <a href="#">25001386</a>	106
Exercise ClinChem, Large Animal   <a href="#">25000509</a>	99

### F

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

### G

Gabapentin <sup>†</sup>   <a href="#">GAB</a>	118
Gastrin <sup>†</sup>   <a href="#">GASTRIN</a>	107

## Large Animal Test Listing (cont'd)

GCT Panel II, Equine <sup>†</sup>   <a href="#">EQGCTPII</a>	107
GGT   <a href="#">1013</a>	102
GLDH   <a href="#">1040</a>	102
Glucose   <a href="#">1014</a>	102
Gross Parasite Identification   <a href="#">25001435</a>	110

### H

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

### I

IgG, Equine   <a href="#">FOALIGG</a>	122
IgG, Equine: Rapid, Semi-Quantitative   <a href="#">FOALIGGRAP</a>	122
IgM, Equine   <a href="#">25000540</a>	122
Insulin, Equine   <a href="#">5104</a>	108
Insulin:Glucose Ratio, Equine   <a href="#">EQINSGLU</a>	108
Insulin-like Growth Factor <sup>†</sup>   <a href="#">ILGROFAC</a>	106
Iron Profile <sup>†</sup>   <a href="#">IRONPRO</a>	98

### L

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

### M

Magnesium   <a href="#">1016</a>	102
McMaster (Fecal Egg Counting) Test   <a href="#">2328</a>	110
Metabolic Syndrome Panel I, Equine <sup>†</sup>   <a href="#">CUSHING</a>	106

## Large Animal Test Listing (cont'd)

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

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

## Large Animal Test Listing (cont'd)

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

### U

Urinalysis   <a href="#">3000</a>	104
Urinalysis Add-on   <a href="#">25001700</a>	126
Urinalysis with Reflex UPC   <a href="#">25000521</a>	104
Urinalysis with Reflex UPC upgrade   <a href="#">25001702</a>	104
Urine Culture and Sensitivity   <a href="#">7140</a>	111
Urine Electrolyte Panel (for Fractional Excretion) <sup>†</sup>   <a href="#">FREXCRE</a>	104
Urine Protein:Creatinine Ratio   <a href="#">1555</a>	104
Urine Protein:Creatinine Ratio Add-on   <a href="#">A1555</a>	126

### V

Vitamin A <sup>†</sup>   <a href="#">VITA</a>	124
Vitamin D (25-hydroxyvitamin D3) <sup>†</sup>   <a href="#">VITD</a>	107
Vitamin D Profile <sup>†</sup>   <a href="#">VITP</a>	109
Vitamin E <sup>†</sup>   <a href="#">2331</a>	123
Vitamin E and Mineral Panel <sup>†</sup>   <a href="#">VITEMINE</a>	123

### W

West Nile Virus IgM ELISA <sup>†</sup>   <a href="#">WESTNILE</a>	116
---	-----

### Z

Zinc, Serum/Plasma <sup>†</sup>   <a href="#">ZINC</a>	117
--	-----

# Avian, Exotic & Small Mammal Test Listing

## A

Advanced Reptile Panel†   <a href="#">25001448</a>	128
Adv Avian Chem Panel†   <a href="#">25001437</a>	130
Adv Mammal Chem Panel†   <a href="#">25001438</a>	131
Adv Reptile Chem Panel†   <a href="#">25001439</a>	131
Aspergillus Panel – PenguinPLUS †   <a href="#">25001449</a>	132
Aspergillus Panel PLUS †   <a href="#">25001440</a>	132

## B

Basic Avian Chemistry Panel†   <a href="#">25001450</a>	131
Basic Mammal Chemistry Panel†   <a href="#">25001451</a>	131
Basic Mammal Panel†   <a href="#">25001452</a>	128
Basic Reptile Chemistry Panel†   <a href="#">25001453</a>	131
Basic Reptile Panel†   <a href="#">25001454</a>	128
Bile Acids †   <a href="#">25001442</a>	131

## C

CBC Automated Count Manual Diff Mammal†   <a href="#">25001443</a>	130
CBC Hemocytometer Cnt Man Diff Reptile†   <a href="#">25001444</a>	129

## E

Elasmobranch CBC and Diff†   <a href="#">25001455</a>	129
Elasmobranch Chemistry Panel†   <a href="#">25001456</a>	131

## F

Fibrinogen Heat Precipitation Method†   <a href="#">25001457</a>	129
--	-----

## L

Lipoprotein Chemistry Panel†   <a href="#">25001458</a>	130
---	-----

## M

Mini Avian Panel †   <a href="#">25001459</a>	129
Mini Elasmobranch Panel†   <a href="#">25001460</a>	129
Mini Mammal Panel†   <a href="#">25001461</a>	130
Mini Reptile Panel†   <a href="#">25001462</a>	129
Mini Teleost Panel†   <a href="#">25001463</a>	130

## P

Protein Electrophoresis (EPH) †   <a href="#">25001446</a>	133
--	-----

## R

Reptile CBC and Diff†   <a href="#">25001447</a>	129
--	-----

## S

Sex Determination (Psittacine)†   <a href="#">25001539</a>	132
--	-----

## T

T4, Total (Mammals Only)†   <a href="#">25001464</a>	132
Teleost CBC and Diff†   <a href="#">25001465</a>	130
Teleost Chemistry Panel†   <a href="#">25001466</a>	131

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

## V

---

Vitamin D (25-Hydroxy) Mammals Only†   <a href="#">25001467</a>	133
---	-----

---

## W

---

Well Bird Panel Package†   <a href="#">25001468</a>	128
---	-----

---

# PCR Test Listing

## A

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

## B

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

## C

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

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

## E

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

## PCR Test Listing (cont'd)

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

## G

<i>Giardia intestinalis</i> PCR <sup>†</sup>   <a href="#">25001524</a>	144
---	-----

## H

<i>Helicobacter</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001525</a>	144
---	-----

## L

<i>Leishmania</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001526</a>	144
---	-----

<i>Leptospira</i> MAT, 5 Serovar & PCR <sup>†</sup>   <a href="#">6163</a>	144
--	-----

<i>Leptospira</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001527</a>	144
---	-----

<i>Listeria</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001528</a>	144
---	-----

## M

<i>Mycobacterium</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001529</a>	145
--	-----

<i>Mycoplasma</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001530</a>	145
---	-----

## N

<i>Neospora caninum</i> PCR <sup>†</sup>   <a href="#">25001531</a>	145
---	-----

<i>Nocardia</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001532</a>	145
---	-----

## P

Pan-Fungal PCR <sup>†</sup>   <a href="#">25001533</a>	145
--	-----

PCR Formalin-Fixed Paraffin Embed Tissue <sup>†</sup>   <a href="#">25001534</a>	145
--	-----

## R

<i>Rhodococcus equi</i> PCR <sup>†</sup>   <a href="#">25001535</a>	145
---	-----

## PCR Test Listing (cont'd)

<i>Rickettsia</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001536</a>	146
Ringworm, PCR, Canine/Feline   <a href="#">25001616</a>	146
Ringworm, PCR, Equine   <a href="#">25001617</a>	146

### S

<i>Salmonella enterica</i> PCR <sup>†</sup>   <a href="#">25001537</a>	146
SARS-COV-2 PCR <sup>†</sup>   <a href="#">25001538</a>	146
<i>Strep equi</i> subsp. <i>zooepidemicus</i> PCR <sup>†</sup>   <a href="#">25001541</a>	146
<i>Streptococcus equi</i> subsp. <i>equi</i> PCR <sup>†</sup>   <a href="#">25001540</a>	146

### T

Tickborne Disease PCR Panel Non-equine <sup>†</sup>   <a href="#">25001542</a>	146
<i>Toxoplasma gondii</i> PCR <sup>†</sup>   <a href="#">25001543</a>	147
<i>Tritrichomonas foetus</i> PCR <sup>†</sup>   <a href="#">25001544</a>	147
<i>Trueperella pyogenes</i> PCR <sup>†</sup>   <a href="#">25001545</a>	147
<i>Trypanosoma cruzi</i> PCR <sup>†</sup>   <a href="#">25001546</a>	147

### U

<i>Ureaplasma</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001547</a>	147
Uveitis PCR Panel, Feline <sup>†</sup>   <a href="#">25001548</a>	147

### Y

<i>Yersinia</i> spp (genus) PCR <sup>†</sup>   <a href="#">25001549</a>	147
---	-----



# LOOK DEEPER