NORTH AMERICA

IDEXX **BioAnalytics**

2022 Directory of Tests and Services



IDEXX

Table of Contents

→ About Us

→ Directory of Tests and Services

→ Preclinical Services

→ Animal Health Monitoring

→ Biological Testing

About Us

What you can expect from us

Our global network of experts is ready to support your research testing needs by providing fast, accurate and reliable results–along with expert consultation you can access directly, for even greater insight. IDEXX BioAnalytics delivers comprehensive animal health monitoring, biological materials testing and preclinical services.

At IDEXX BioAnalytics, we offer customized testing solutions, meaningful data, and global expertise in research testing services.

What we do

Reference Lab Services for Biomedical Research

- Services designed to support animal research
- Dedicated exclusively to partnering with bio-pharmaceutical, discovery and R&D programs
- Our teams have over 20 years of experience supporting R&D programs in Europe and North America
- Offers integrated, comprehensive and analytical support through a single point of contact in the two biggest regulatory egions, Europe and North America



Directory of Tests and Services

Summary of services

Reliable & reproducible results

- Detailed SOPs, sample & data archives
- VICH GL09 (GCP) capability

Accelerate research

- Industry-leading expertise in supporting preclinical and clinical studies
- Comprehensive solutions through in-house testing
- Offering support – including laboratory project management and customised reporting
- Support and active risk reduction to make sure samples are collected, handled and tested according to the study protocol

Innovative technologies

- Development and validation of assays to accurately measure physiologic and pathologic biomarkers

Logistics support

- Global support for single or multi-center studies
- Full support from the onset of the study until final report
- Management of specialized external laboratories
- Sampling & shipping instructions
- Easy access to collection materials
- Sample pick-up and cross border shipment
- Customized reports

Scientific expertise

- Regulatory-compliant assays for reducing the number of cases required for statistical significance
- Improving the outcome of studies both in cost and time
- Positively impact the health and welfare of humans and animals (3R) by accelerating the development of novel, better and safer treatments for pets, laboratory animals and livestock

Important note:

IDEXX BioAnalytics is constantly increasing its range of laboratory services and new assays may have been implemented since this directory was produced.

For more information please visit:
www.idexxbioanalytics.com

How to find a test

Directory of Tests and Services

This directory contains IDEXX BioAnalytics' three main testing categories: Preclinical, Animal Health Monitoring, and Biological Testing. Each testing category is color-coded and further divided into three sections for easy use:

Quick Reference

Tests are listed both alphabetically and grouped by disease state or organ system for Preclinical or by species and pathogen type for Animal Health Monitoring and Biological Testing. Important details such as test name, price, and page numbers for further information are included.

In-Depth Testing Information

These sections feature our most commonly requested tests, panels, and profiles. This includes the test name, test components, specimen requirements, turnaround time, and price.

Resources

In these sections, you'll find useful information such as result delivery options, how to send in samples, and other submission suggestions.

Preclinical Services

QUICK JUMP TO

→ Quick Reference

→ In-Depth Testing Information (Listing of Profiles & Pricing)

→ Resources

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

	Test code	Price	Page
A			
Acid-Fast Stain for *Mycobacteria* spp.	**6408**	**$74.25**	26
Adrenal			
ACTH Stimulation	**119**	**$103.00**	29
Adrenocorticotropic Hormone (ACTH), Endogenous	**808**	**$134.50**	29
Cortisol–Canine and Feline Only	**6800**	**$70.50**	29
Cortisol–NHP, rodents, cattle, FBS accepted	**62231**	**$36.50**	31
Cortisol by RIA	**8000**	**$78.50**	29
Aerobic and Anaerobic Culture (ID Only)	**64017**	**$93.50**	26
Aerobic and Anaerobic Culture (ID and Susceptibility)	**6401**	**$116.25**	26
Aerobic Culture (ID and Susceptibility)	**64006**	**$88.50**	26
Aerobic Culture (ID Only)	**6427**	**$66.00**	26
Alanine Aminotransferase (ALT)	**6225**	**$27.25**	12
Albumin (ALB)	**62006**	**$27.25**	12
Alkaline Phosphatase (ALP)	**6201**	**$27.25**	12
Ammonia	**202**	**$100.00**	29
Amylase (AMY)	**6203**	**$27.25**	12
Anatomic Pathology		**See section**	25
Antinuclear Antibody (ANA) by IFA	**6700**	**$67.25**	28
Aspartate Aminotransferase (AST)	**6224**	**$27.25**	12
Automated Nucleated Cell Count	**6335**	**$24.75**	21
B			
Betahydroxybutrate (BHB)	**62645**	**$27.25**	12
Bicarbonate	**6209**	**$27.25**	12
Bile Acids, Total	**6258**	**$54.75**	12
Bile Acids Panel (Pre- and Postprandial)	**6257**	**$77.25**	12
Biopsy			
Cytology	**6605**	**$107.25**	21
Histology		**See section**	22
Histopathology		**See section**	25
Bilirubin– Total, Conjugated, and Unconjugated	**6204**	**$45.75**	12
Blood Count	**6301**	**$32.50**	17
Blood Culture	**6406**	**$112.50**	26
Blood Urea Nitrogen (BUN)	**6207**	**$27.25**	12
Bone Marrow Cytology	**6607**	**$120.75**	21
Bromide	**839**	**$112.00**	29
C			
C Reactive Protein (CRP)			
C-Reactive Protein (CRP)–Canine only	**62332**	**$41.00**	12
C-Reactive Protein (CRP)–Mouse only	**62485**	**Call**	12
C-Reactive Protein (CRP)–NHP only	**62484**	**Call**	12
Calcium	**6208**	**$27.25**	12
Cardiac			
Cardiopet® proBNP Test–Canine	**62665**	**$87.75**	28
Cardiopet® proBNP Test–Feline	**62666**	**$87.75**	28
Troponin I	**62714**	**$70.00**	31
CBC			
CBC, Comprehensive	**61330**	**$71.25**	17
CBC, Comprehensive with Platelet Count	**60604**	**$71.25**	17
CBC, Comprehensive with Retic Hgb	**62216**	**$71.25**	17
CBC, Comprehensive with MPV and RDW	**62649**	**$71.25**	17
Chloride	**6210**	**$27.25**	12
Cholesterol, Total	**6211**	**$27.25**	12
Cholinesterase	**6230**	**$63.75**	29
Coagulation			
Antithrombin	**Call**	**$64.50**	31
Antithrombin-Thrombin Complex	**Call**	**$111.75**	31
Coagulation, Mini	**6005**	**$67.00**	20
Coagulation Profile 2	**6045**	**$94.50**	20
Comprehensive CBC and Coag Profile 2	**6004**	**$160.00**	20
D-dimer–Non-rodent	**62235**	**$60.25**	31
D-dimer–Rodent	**62236**	**$104.25**	31

† Minimum charges may apply.

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

	Test code	Price	Page
Factor V Activity	**62385**	**$63.50**	31
Factor VII Activity	**62380**	**$63.50**	31
Factor VIII Activity	**Call**	**$63.50**	31
Factor X Activity	**62382**	**$63.50**	31
Factor XII Activity	**Call**	**$63.50**	31
Factor XIII Activity	**Call**	**$96.75**	31
Fibrin Degradation Products (FDP)	**6323**	**$72.00**	31
Research Custom Panel	**60774**	**$130.50**	20
Research Custom Panel	**60843**	**$95.75**	20
Thrombin	**Call**	**$32.50**	31
von Willebrand Factor (vWF;Ag)–Canine, Feline, Equine	**Call**	**$59.00**	31
von Willebrand Factor (vWF;Ag)–Large animals, Exotics, Rodents	**Call**	**$73.00**	31
Cobalamin (Vitamin B12) and folic acid	**2014**	**$127.00**	29
Comprehensive CBC and Coag Profile 2	**6004**	**$160.00**	20
Comprehensive Chem and Comprehensive CBC	**61331**	**$131.00**	13
Comprehensive Chemistry	**6006**	**$63.25**	11
Comprehensive Chemistry 2	**60509**	**$63.25**	11
Cortisol–Canine and Feline Only	**6800**	**$70.50**	29
Cortisol–NHP, rodents, cattle, FBS accepted	**62231**	**$36.50**	31
Cortisol by RIA	**8000**	**$78.50**	29
Creatine Kinase (CK, CPK)	**6212**	**$27.25**	12
Creatinine (CREA)	**6213**	**$27.25**	12
Cryptosporidium Antigen by ELISA—Mammals	**6514**	**$74.25**	28
Cultures			
Aerobic and Anaerobic Culture (ID Only)	**64017**	**$93.50**	26
Aerobic and Anaerobic Culture (ID and Susceptibility)	**6401**	**$116.25**	26
Aerobic Culture (ID and Susceptibility)	**64006**	**$88.50**	26
Aerobic Culture, (ID Only)	**6427**	**$66.00**	26
Blood Culture	**6406**	**$112.50**	26
Environmental Culture	**6030**	**$67.25**	26
Fecal Enteric Pathogenic Culture 1	**64021**	**$79.00**	26
Fecal Enteric Pathogenic Culture 1 with *Campylobacter* spp.	**64022**	**$105.50**	26
Fecal Enteric Pathogenic Culture, *Campylobacter* spp. Only	**64026**	**$90.25**	26
Fecal Enteric Pathogenic Culture with *Campylobacter* spp., *Yersinia* spp. and *Shigella* spp.	**64034**	**$109.25**	27
Fungal Culture (ID Only)	**6405**	**$79.75**	27
Mycoplasma spp. Culture	**6411**	**$103.25**	27
Urine Culture & Susceptibility	**6403**	**$90.50**	27
Cytology			
Bone Marrow Cytology	**6607**	**$120.75**	21
Cytology	**6605**	**$107.25**	21
Cytology with CSF Fluid Analysis	**6900**	**$107.25**	21
Cytology with Fluid Analysis (except CSF)	**6905**	**$107.25**	21
Cytokines			
IL-2 (Human)	**Call**	**Call**	21
IL-15 (Human)	**Call**	**Call**	21
Mouse 25-Plex Panel	**62579**	**$169.00†**	21
Rat 27-Plex Panel	**62831**	**Call**	21
D			
D-dimer–Non-rodent	**62235**	**$60.25**	31
D-dimer–Rodent	**62236**	**$104.25**	31
Diarrhea RealPCR Panel (Comprehensive)–Canine	**2625**	**$105.50**	30
Diarrhea RealPCR Panel (Comprehensive)–Feline	**2627**	**$105.50**	30
E			
Environmental Culture	**6030**	**$67.25**	26
F			
Fecal Cultures			
Fecal Enteric Pathogenic Culture 1	**64021**	**$79.00**	26
Fecal Enteric Pathogenic Culture 1 with *Campylobacter* spp.	**64022**	**$105.50**	26
Fecal Enteric Pathogenic Culture, *Campylobacter* spp. Only	**64026**	**$90.25**	26
Fecal Enteric Pathogenic Culture with *Campylobacter* spp., *Yersinia* spp. and *Shigella* spp.	**64034**	**$109.25**	27
Fecal Occult Blood	**6907**	**$42.75**	28
Fecal Ova and Parasites by Zinc Sulfate Centrifugation	**6501**	**$46.00**	28

† Minimum sample quantity required for pricing listed. Minimum charges may apply.

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

	Test code	Price	Page
Ova and Parasites - NHP	**6501**	**$46.00**	28
Ova and Parasites with Giardia spp. - NHP	**2463**	**$93.50**	28
FeLV Antigen and FIV Antibody by ELISA	**60687**	**$54.50**	28
FeLV Antigen by ELISA	**6709**	**$31.75**	28
FIV Antibody by ELISA	**61039**	**$53.25**	28
Fibrin Degradation Products (FDP)	**6323**	**$72.00**	31
Fibrinogen- Clauss method (with mechanical clot detection)	**6308**	**$37.50**	20
Fibrinogen by Heat Precipitation	**6306**	**$36.75**	20
Fluid Analysis With Cytology			
Cytology with CSF Fluid Analysis	**6900**	**$107.25**	21
Cytology with Fluid Analysis (except CSF)	**6905**	**$107.25**	21
Fructosamine (FRUC)	**6245**	**$62.50**	12
Fungal Culture	**6405**	**$79.75**	27
G			
Gamma-glutamyltransferase (GGT)	**6214**	**$27.25**	12
Giardia Antigen by ELISA–Mammals	**6513**	**$60.50**	28
Giardia spp. RealPCR™ Test–Mammals	**2631**	**$60.75**	30
Glucose (GLU)	**6215**	**$27.25**	12
Glutamate Dehydrogenase (GLDH)–Rat only	**62274**	**$39.00**	12
Gram Stain	**6409**	**$45.25**	27
H			
Haptoglobin	**62763**	**$41.25**	12
Hemoglobin, Plasma Free	**62185**	**$31.25**	12
High-Density Lipoprotein Cholesterol (HDL-C)	**6292**	**$39.00**	12
Histochemical stains		**See section**	23
Histology		**See section**	22
Histopathology		**See section**	25
Heartworm Antigen by ELISA –Canine	**6723**	**$33.75**	29
Heartworm Panel–Canine	**6271**	**$62.00**	29
I			
IGF-1	**Call**	**$105.25**	31
Immunoglobulins, Quantitative IgG, IgM, IgA–Canine	**62298**	**$128.75**	31
Inflammation			
C-Reactive Protein (CRP)–Canine only	**62332**	**$41.00**	12
C-Reactive Protein (CRP)–Mouse only	**62485**	**Call†**	12
C-Reactive Protein (CRP)–NHP only	**62484**	**Call†**	12
Haptoglobin	**62763**	**$41.25**	12
IL-2 (Human)	**Call**	**Call**	21
IL-15 (Human)	**Call**	**Call†**	21
Mouse 25-Plex Panel	**62579**	**$169.00**	21
Rat 27-Plex Panel	**62831**	**Call†**	21
Insulin	**62230**	**$42.00**	31
Insulin by RIA–Canine and Equine only	**6805**	**$86.50**	29
Iron (Fe)	**6962**	**$39.75**	12
Iron Panel	**62229**	**$43.00**	31
K			
Kidney			
BUN	**6207**	**$27.25**	12
Creatinine	**6213**	**$27.25**	12
Phosphorus	**6221**	**$27.25**	12
Potassium (K)	**6229**	**$27.25**	12
Renal Panel	**60406**	**$49.50**	11
SDMA, Canine and Feline by Immunoassay	**63638**	**$27.25**	12
L			
Lactate Dehydrogenase (LDH)	**6218**	**$27.25**	12
Lipid			
Cholesterol, Total	**6211**	**$27.25**	12
HDL Cholesterol	**6292**	**$39.00**	12
Lipid Profile, Non-Rodent	**6291**	**$84.00**	11
Lipid Profile, Rodent only	**6290**	**$84.00**	11
LDL Cholesterol, Direct–Rodent only	**62620**	**$39.00**	12
Nonesterified Fatty Acids (NEFA)	**62300**	**$32.50**	12

† Minimum sample quantity required for pricing listing. Minimum charges may apply.

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

	Test code	Price	Page
Triglycerides	**6242**	**$27.25**	12
Low-Density Lipoprotein Cholesterol, Calculated–Non-Rodent‡	—		
Low-Density Lipoprotein Cholesterol, Direct–Rodent only	**62620**	**$39.00**	12
Lipase (LIP)	**6219**	**$27.25**	12
Lipid Profile, Non-Rodent	**6291**	**$84.00**	11
Lipid Profile, Rodent	**6290**	**$84.00**	11
Liver			
Alanine Aminotransferase (ALT)	**6225**	**$27.25**	12
Albumin (ALB)	**62006**	**$27.25**	12
Alkaline Phosphatase (ALP)	**6201**	**$27.25**	12
Aspartate Aminotransferase (AST)	**6224**	**$27.25**	12
Bile Acids, Total	**6258**	**$54.75**	12
Bilirubin- Total, Conjugated, and Unconjugated	**6204**	**$45.75**	12
Gamma-glutamyltransferase (GGT)	**6214**	**$27.25**	12
Glutamate Dehydrogenase (GLDH)-Rat only	**62274**	**$39.00**	12
Liver Panel	**60405**	**$49.50**	11
Lyme Quant C6® Antibody by ELISA	**67246**	**$83.75**	29
M			
Magnesium	**6220**	**$31.50**	12
Minerals, fixed tissue	**62632**	**$80.50**	31
Mycoplasma spp. Culture	**6411**	**$103.25**	27
N			
Nonesterified Fatty Acids (NEFA)	**62300**	**$32.50**	12
P			
Pancreas			
Amylase (AMY)	**6203**	**$27.25**	12
Lipase (LIP)	**6219**	**$27.25**	12
Spec cPL® Test–Canine	**61849**	**$69.50**	29
Spec fPL® Test–Feline	**62493**	**$69.50**	29
Parasite Stain–Trichrome Stain	**6505**	**$79.00**	28
Activated Partial Thromboplastin Time (PTT)	**6312**	**$35.75**	20
Platelet Distribution Width (PDW) and Mean Platelet Volume (MPV) Add-on	**61010**	**$22.50**	18
Phosphorus (PHOS)	**6221**	**$27.25**	12
Plasma Free Hemoglobin	**62185**	**$31.25**	12
Plasma Protein by refractometry	**6314**	**$27.25**	12
Pathology			
Histology		**See section**	22
Histopathology		**See section**	25
Diagnostic pathology		**See section**	25
Research pathology		**See section**	25
Toxicologic pathology		**See section**	25
Clinical pathology reports		**See section**	25
Platelet Count			
Platelet Count, Automated–Add-On	**60371**	**$22.50**	18
Platelet Count, Manual–Add-On	**63091**	**$36.50**	18
Platelet Count–Automated	**6037**	**$29.50**	18
Platelet Count–Manual	**6027**	**$42.25**	18
Potassium (K)	**6229**	**$27.25**	12
Progesterone by RIA	**68060**	**$78.50**	29
Protein Electrophoresis, Serum	**6223**	**$90.50**	13
Protein Electrophoresis, Urine, CSF	**61367**	**$118.25**	13
Prothrombin Time (PT)	**6311**	**$35.75**	20
R			
Renal Panel	**60406**	**$49.50**	11
Respiratory Disease (CRD) RealPCR Panel (Comprehensive)–Canine	**2524**	**$112.00**	30
Reticulocyte Count, Add-On	**6313**	**$30.25**	18
Reticulocyte Count and RBC	**60828**	**$39.75**	18
Rodent Expanded Tox Panel	**60514**	**$100.75**	11
S			
SDMA			
SDMA, Canine, Feline and Rat by Immunoassay	**63638**	**$27.25**	12

† Minimum sample quantity required for pricing listing. Minimum charges may apply.
‡ LDL calculated must be ordered as part of a panel including HDL cholesterol, cholesterol, and triglycerides.

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

	Test code	Price	Page
Short Tox Panel	**60513**	**$78.75**	11
Sodium (Na)	**6231**	**$27.25**	12
Sorbitol Dehydrogenase (SDH)	**6227**	**$38.75**	12
Spec cPL® Test–Canine	**61849**	**$69.50**	29
Spec fPL® Test–Feline	**62493**	**$69.50**	29
Standard Tox Panel	**62794**	**$78.75**	11
T			
Tacrolimus	**Call**	**$187.75**	31
Testosterone by RIA	**62233**	**$42.00**	31
Thyroid			
T3, Total by RIA (Canine, feline and equine only)	**6803**	**$44.25**	29
T3	**62232**	**$37.75**	31
T4, Free by Equilibrium Dialysis	**6849**	**$89.25**	29
T4, Total	**6804**	**$48.25**	12
T4, Total by RIA	**6814**	**$41.25**	29
Tick/Vector Comprehensive RealPCR Panel–Canine	**2870**	**$102.00**	30
Total Protein	**6222**	**$27.25**	12
Tox Panel with LDH	**60888**	**$63.25**	11
Toxicology Profiles			
Rodent Expanded Tox Panel	**60514**	**$100.75**	11
Short Tox Panel	**60513**	**$78.75**	11
Standard Tox Panel	**62794**	**$78.75**	11
Tox Panel with LDH	**60888**	**$63.25**	11
Trichrome Stain	**6505**	**$79.00**	28
Triglycerides (TRIG)	**6242**	**$27.25**	12
Troponin I	**62714**	**$70.00**	31
TSH, Endogenous–Canine Only	**6853**	**$63.50**	29
U			
Uric Acid	**6228**	**$27.25**	14
Urinalysis, Complete	**6910**	**$37.75**	13
Urinalysis, Complete with UPCR	**62369**	**$41.50**	13
Urinalysis without Microscopic Exam	**69109**	**$27.25**	13
Urine Calcium	**6967**	**$31.50**	14
Urine Chloride	**6970**	**$31.50**	14
Urine Creatinine	**6993**	**$31.50**	14
Urine Culture & Susceptibility	**6403**	**$90.50**	27
Urine Glucose	**60853**	**$31.50**	14
Urine Magnesium	**6244**	**$31.50**	14
Urine Phosphate/Serum Phosphate Ratio	**6991**	**$54.75**	14
Urine Phosphorus	**6968**	**$31.50**	14
Urine Potassium	**6966**	**$31.50**	14
Urine Protein	**6992**	**$31.50**	14
Urine Protein/Creatinine Ratio	**6994**	**$57.50**	14
Urine Sodium	**6965**	**$31.50**	14
Urine Urea Nitrogen	**6969**	**$31.50**	14
Urine Uric Acid	**6944**	**$31.50**	14
Urine Uric Acid/Creatinine Ratio	**6998**	**$57.50**	14
Urobilinogen	**6942**	**$27.25**	14
W			
WBC Count, Automated with Differential	**61332**	**$33.50**	17

† Minimum sample quantity required for pricing listing. Minimum charges may apply.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Standard Panels

	Rodent Expanded Tox	Standard Tox	Tox Panel with LDH	Short Tox	Liver Panel	Renal Panel
Test code	**60514**	**62794**	**60888**	**60513**	**60405**	**60406**
Price	**$100.75**	**$78.75**	**$63.25**	**$78.75**	**$49.50**	**$49.50**
Serum Volume Requirement	**240 µL**	**140 µL**	**110 µL**	**120 µL**	**130 µL**	**120 µL**
Alanine Aminotransferase (ALT)	●	●	●	●	●	
Albumin (ALB)	●	●	●		●	●
Albumin:Globulin Ratio						
Alkaline Phosphatase (ALP)	●	●	●	●	●	
Amylase (AMY)						
Aspartate Aminotransferase (AST)	●	●	●	●	●	
Bicarbonate						
Bile Acids, Total	●			●		
Bilirubin, Conjugated	●		●		●	
Bilirubin, Unconjugated			●		●	
Bilirubin, Total (TBIL)	●	●	●	●	●	
Blood Urea Nitrogen (BUN)	●	●		●		●
BUN:Creatinine Ratio	●	●				
Calcium (Ca)						●
Chloride (Cl)	●					●
Cholesterol (CHOL)	●					
Creatine Kinase (CK)	●	●			●	
Creatinine (CREA)	●	●		●		●
Gamma-glutamyltransferase (GGT)	●	●		●	●	
Globulin (GLB)		●	●			
Glucose (GLU)	●					
HDL Cholesterol (HDL-C) †	●					
Lactate Dehydrogenase (LDH) †			●			
Lipase (LIP)						
LDL Cholesterol (LDL-C)†	●					
Phosphorous (PHOS)	●					●
Potassium (K)	●					●
Sodium (Na)	●					●
Sodium:Potassium Ratio						
Total Protein (TP)	●	●	●		●	●
Triglycerides (TRIG)	●					
Uric Acid						

	Comprehensive Chemistry	Comprehensive Chemistry 2	Lipid Rodent	Lipid Nonrodent
Test code	**6006**	**60509**	**6290**	**6291**
Price	**$63.25**	**$63.25**	**$84.00**	**$84.00**
Serum Volume Requirement	**200 µL**	**270 µL**	**60 µL**	**50 µL**
Alanine Aminotransferase (ALT)	●	●		
Albumin (ALB)	●	●		
Albumin:Globulin Ratio	●			
Alkaline Phosphatase (ALP)	●	●		
Amylase (AMY)		●		
Aspartate Aminotransferase (AST)	●	●		
Bicarbonate	●	●		
Bile Acids, Total				
Bilirubin, Conjugated	●	●		
Bilirubin, Unconjugated	●	●		
Bilirubin, Total (TBIL)	●	●		
Blood Urea Nitrogen (BUN)	●	●		
BUN:Creatinine Ratio	●			
Calcium (Ca)	●	●		
Chloride (Cl)	●	●		
Cholesterol (CHOL)	●	●	●	●
Creatine Kinase (CK)	●	●		
Creatinine (CREA)	●	●		
Gamma-glutamyltransferase (GGT)		●		
Globulin (GLB)	●			
Glucose (GLU)	●	●		
HDL Cholesterol (HDL-C)†			●	●
Lactate Dehydrogenase (LDH)		●		
Lipase (LIP)		●		
LDL Cholesterol (LDL-C)†			●	●
Phosphorous (PHOS)	●	●		
Potassium (K)	●	●		
Sodium (Na)	●	●		
Sodium: Potassium Ratio	●			
Total Protein (TP)	●	●		
Triglycerides (TRIG)		●	●	●
Uric Acid		●		

†LDL Cholesterol is calculated for species other than rat or mouse.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Individual Tests

Please note that volumes listed are for single analyte testing, if multiple analytes are needed, volumes will be reduced. Information on custom chemistry panels is available on page 14. Unless otherwise stated, the following tests can be performed on the common laboratory species.

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Alanine Aminotransferase (ALT/SGPT)	40 µL serum	1–2 days	**6225**	**$27.25**
Albumin (ALB)	40 µL serum	1–2 days	**62006**	**$27.25**
Alkaline Phosphatase (ALP)	40 µL serum	1–2 days	**6201**	**$27.25**
Amylase (AMY)	40 µL serum	1–2 days	**6203**	**$27.25**
Aspartate Aminotransferase (AST/SGOT)	40 µL serum	1–2 days	**6224**	**$27.25**
Betahydroxybutrate (BHB)	40 µL serum	1–2 days	**62645**	**$27.25**
Bicarbonate	40 µL serum	1–2 days	**6209**	**$27.25**
Bile Acids Panel (Pre- and Postprandial) *Please clearly label pre and post samples*	40 µL serum, each	1–2 days	**6257**	**$77.25**
Bile Acids, Total	40 µL serum	1–2 days	**6258**	**$54.75**
Bilirubin–Total, Conjugated, Unconjugated	55 µL serum	1–2 days	**6204**	**$45.75**
Blood Urea Nitrogen (BUN)	40 µL serum	1–2 days	**6207**	**$27.25**
C-Reactive Protein (CRP)–Canine only	30 µL serum	1–2 days	**62332**	**$41.00**
C-Reactive Protein (CRP)–Mouse only	40 µL serum	7–10 days	**62485**	**Call†**
C-Reactive Protein (CRP)–NHP only	100 µL serum	7–10 days	**62484**	**Call†**
Calcium (Ca)	40 µL serum	1–2 days	**6208**	**$27.25**
Chloride (Cl)	50 µL serum	1–2 days	**6210**	**$27.25**
Cholesterol, Total	40 µL serum	1–2 days	**6211**	**$27.25**
Creatine Kinase (CK, CPK)	45 µL serum	1–2 days	**6212**	**$27.25**
Creatinine (CREA)	55 µL serum	1–2 days	**6213**	**$27.25**
Fructosamine (FRUC)	40 µL serum	1–2 days	**6245**	**$62.50**
Gamma-glutamyltransferase (GGT)	50 µL serum	1–2 days	**6214**	**$27.25**
Glucose (GLU)	40 µL serum	1–2 days	**6215**	**$27.25**
Glutamate dehydrogenase (GLDH)–Rat only	60 µL serum	1–2 days	**62274**	**$39.00**

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Haptoglobin	40 µL serum	1–2 days	**62763**	**$41.25**
High-Density Lipoprotein Cholesterol (HDL-C)	40 µL serum	1–2 days	**6292**	**$39.00**
Iron (Fe)	35 µL serum	1–2 days	**6962**	**$39.75**
Lactate Dehydrogenase (LDH)	40 µL serum	1–2 days	**6218**	**$27.25**
Lipase (LIP)	40 µL serum	1–2 days	**6219**	**$27.25**
Low-Density Lipoprotein Cholesterol (LDL-C) Direct–Rodent only‡	45 µL serum	1–2 days	**62620**	**$39.00**
Magnesium (Mg)	40 µL serum	1–2 days	**6220**	**$31.50**
Nonesterified Fatty Acids (NEFA)	40 µL serum	1–2 days	**62300**	**$32.50**
Phosphorus (PHOS)	40 µL serum	1–2 days	**6221**	**$27.25**
Potassium (K)	50 µL serum	1–2 days	**6229**	**$27.25**
Plasma Free Hemoglobin	40 µL serum	1–2 days	**62185**	**$31.25**
Plasma Protein by refractometry	500 µL EDTA whole blood	1–2 days	**6314**	**$27.25**
SDMA, by Immunoassay–Dog, cat, rat	80 µL serum	1–2 days	**63638**	**$27.25**
Sodium (Na)	50 µL serum	1–2 days	**6231**	**$27.25**
Sorbitol Dehydrogenase (SDH)	50 µL serum	1–2 days	**6227**	**$38.75**
Total Protein (TP)	40 µL serum	1–2 days	**6222**	**$27.25**
Total T4	50 µL serum	1–2 days	**6804**	**$48.25**
Triglycerides (TRIG)	40 µL serum	1–2 days	**6242**	**$27.25**
Uric acid	60 µL serum	1–2 days	**6228**	**$27.25**

† Minimum sample quantity required for pricing listing. Minimum charges may apply.
‡ LDL Cholesterol is calculated for species other than rat or mouse.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Protein Electrophoresis

- Protein Electrophoresis is a well-established technique routinely used in clinical laboratories for screening serum, plasma, and urine for protein abnormalities. It is based on the principle of zone electrophoresis performed on suitable serum and other fluids for protein abnormalities. Proteins are separated into fractions, primarily based on their charges at a given pH.
- Fresh serum, plasma, urine, and other body fluid samples are recommended for analysis. Refrigerated samples are stable up to one week. Frozen samples are acceptable for up to one month.

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Protein Electrophoresis, Serum	150 µL serum	5–10 days	**6223**	**$90.50**
Protein Electrophoresis, Urine, CSF	150 µL fluid	5–10 days	**61367**	**$118.25**

Hematology and Chemistry Profiles Combined

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Comprehensive Chemistry and Comprehensive CBC	200 µL serum, 200 µL LTT	1–2 days	**61331**	**$131.00**

Urinalysis Panels and Profiles

Unless otherwise stated, the following tests can be performed on the common laboratory species.

	Urinalysis, Complete	Urinalysis without Microscopic Exam	Research Custom Profile - UA with UPCR 62369
Test code	**6910**	**69109**	**62369**
Price	**$37.75**	**$27.75**	**$41.50**
Urine volume requirement	**550 µL**	**500 µL**	**800 µL**
Volume	●	●	●
Color	●	●	●
Clarity	●	●	●
Specific gravity§	●	●	●
pH†	●	●	●
Protein†	●	●	●
Glucose†	●	●	●
Ketones†	●	●	●
Urobilinogen†	●	●	●
Bilirubin†	●	●	●
Blood (Heme)†	●	●	●
WBC‡	●		●
RBC‡	●		●
Bacteria‡	●		●
EPI cell‡	●		●
Mucus‡	●		●
Casts‡	●		●
Crystals‡	●		●
Urine creatinine			●
Urine protein			●
Urine protein/creatinine			●

† Testing performed by reagent dipsticks and reported semi-quantitative. Positive protein is verified using 3% sulfosalicylic acid (SSA) protein precipitation test. Positive bilirubin results are confirmed by Ictotest.
‡ Microscopic examination performed using an inverted phase scope.
§ Specific gravity is measured via refractometer.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Urine Chemistry Individual Tests

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Calcium (Ca)	120 µL urine	1–2 days	**6967**	**$31.50**
Chloride (Cl)	150 µL urine	1–2 days	**6970**	**$31.50**
Creatinine (CREA)	120 µL urine	1–2 days	**6993**	**$31.50**
Glucose (GLU)	120 µL urine	1–2 days	**60853**	**$31.50**
Magnesium (Mg)	120 µL urine	1–2 days	**6244**	**$31.50**
Total Protein (TP)	120 µL urine	1–2 days	**6992**	**$31.50**
Phosphorus (PHOS)	150 µL urine	1–2 days	**6968**	**$31.50**
Potassium (K)	150 µL urine	1–2 days	**6966**	**$31.50**
Sodium (Na)	150 µL urine	1–2 days	**6965**	**$31.50**
Urea Nitrogen	150 µL urine	1–2 days	**6969**	**$31.50**
Uric Acid	120 µL urine	1–2 days	**6944**	**$31.50**
Urobilinogen	240 µL urine	1–2 days	**6942**	**$27.25**

Standard Urine Panels

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Urine Protein:Creatinine Ratio	250 µL urine	1–2 days	**6994**	**$57.50**
Uric Acid:Creatinine Ratio	250 µL urine	1–2 days	**6998**	**$57.50**
Urine Phosphate:Serum Phosphate Ratio	270 µL urine and 80 µL serum	1–2 days	**6991**	**$54.75**

With IDEXX BioAnalytics, you have the ability to create your own chemistry panel for no additional cost. The following tests can be performed on the common laboratory species. Please contact Client Support Services (CSS) or your Account Manager with your preferred panel of analytes for a test code to utilize when ordering.

Unless otherwise stated, the following tests can be performed on the common laboratory species.

Custom Chemistry 2–10 routine tests	**$49.50**
Expanded Custom Chemistry 11+ routine tests	**$63.25**
Premium Custom Chemistry‡	**Call**
Urine Chemistries	**Call**

Routine Analytes Available

Albumin (ALB)	**Blood Urea Nitrogen (BUN)**	**Lactate Dehydrogenase (LDH)**
Alkaline Phosphatase (ALP)	**BUN:Creatinine Ratio**	**Lipase (LIP)**
Alanine Aminotransferase (ALT)	**Calcium (Ca)**	**Phosphorus (PHOS)**
Amylase (AMY)	**Chloride (Cl)**	**Potassium (K)**
Anion Gap	**Cholesterol (CHOL)**	**SDMA†**
Aspartate Aminotransferase (AST)	**Creatine Kinase (CK, CPK)**	**Sodium (Na)**
Bicarbonate	**Creatinine (CREA)**	**Total Protein (TP)**
Bilirubin, Conjugated	**Globulin (GLOB)**	**Triglycerides (TRIG)**
Bilirubin, Total	**Glucose (GLU)**	**Uric Acid**
Bilirubin, Unconjugated	**Gamma-glutamyltransferase (GGT)**	

† SDMA for Immunoassay validated species only.
‡ Additional tests can be incorporated into the premium custom chemistry panels; pricing will vary. Please see pages 16 for possible tests.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Additional Clinical Chemistry Specimen Information

Serum

Serum is the fluid component of clotted blood. During clotting, coagulation factors and some other molecules from plasma are consumed, forming a new fluid called serum. Serum can only form if blood is allowed to clot and cannot be collected using an anti-coagulant. Once a blood clot has formed, the sample is then centrifuged to separate serum fluid from the cell components.

- Tube type: Serum separator tube (SST)–red cap with yellow ring or gold top mini. Tubes contain clot activator and gel to separate clot from serum during centrifugation. Non-additive tubes can also be used for collection.
- Sample handling: Gently invert tube 8 to 10 times after collection. Let specimen clot for approximately 20 minutes at room temperature then centrifuge at approximately 2,000 to 2,500 rcf for 10 to 15 minutes. Afterwards, draw off serum into a sample transfer tube. Label the tube with sample ID, collection date, and sample type (serum).
- Sample storage: Store samples refrigerated at 2–8°C if shipping within 24 hours of collection. Otherwise, freeze samples in transport tubes at –20°C. Do not freeze SST tubes.
- Sample shipping: Ship samples on cold packs or dry ice.

Urine submissions

The best urine specimen is obtained by cystocentesis using aseptic technique. This collection procedure prevents contamination and provides specimens for urinalysis testing and cultures.

Urine—for urinalysis

- Ideal specimen: Urine
- Tube type: Non-additive tube, white cap tube with a black ring or plain, silicone-coated plastic tube.
- Sample storage: Refrigerate (2–8°C) samples. Optimal results are obtained on refrigerated samples less than 48 hours old.
- Sample shipping: Ship on cold packs but do not freeze as this may damage cells.

Urine—for biochemistry analysis

- Ideal specimen: Urine
- Tube type: Non-additive tube–white cap with a black ring or plain, silicone-coated plastic tube.
- Sample storage: Store samples refrigerated at 2–8°C if shipping within 24 hours of collection. Otherwise, freeze samples in transport tubes at –20°C.
- Sample shipping: If shipping within 24 hours of collection, samples can be shipped refrigerated on cold packs. If frozen in storage, ship samples on cold packs or dry ice.

Other sample types

- Serum is the preferred specimen for most chemistry analytes; however, lithium heparin plasma or EDTA plasma may be used for some analytes. Please refer to the methodology chart below for acceptable sample types.
- Centrifuged fluids can also be analyzed.
- Do not use serum separator tubes for certain endocrine and specialized testing including progesterone, and therapeutic drug monitoring (e.g., phenobarbital). Use RRT with clot activator instead.

Specimen Quality

Grossly hemolyzed samples may be analyzed; however, results should be reviewed carefully for possible interference effects. Moderate to grossly lipemic samples are ultra-centrifuged before analysis, except for specimens that have triglyceride requested.

Clinical Chemistry

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Methodology and Specimen Types

Most routine chemistry assays are performed on Beckman Coulter analyzers. The Beckman analyzers are fully automated, discrete, computerized chemistry analyzers intended for in vitro quantitative or qualitative determination of a wide range of analysis. They are capable of performing photometric and potentiometric assays on a variety of body fluids.

Below are some of the most common chemistry assays, methodology, and sample types. All chemistry assays were validated for serum matrix as well as urine for applicable analytes, and additional samples types may be accepted as indicated in the chart below. If the assay of interest is not listed below, please contact the Client Support Services (CSS) team to get more information on equipment, methodology or sample types.

Test - Unit	Method	Specimen Type
ALT (U/L)	Enzymatic, kinetic	Serum†/EDTA plasma/LH plasma
Albumin (g/dl)	Bromocresol Green (BCG)	Serum†/EDTA plasma/LH plasma
Alb/Glob Ratio	Calculation	Serum†/LH plasma
ALP (U/L)	Enzymatic, kinetic	Serum†/LH plasma
Amylase (U/L)	Chromogenic substrate ($CNPG_3$)	Serum†/LH plasma
AST (U/L)	Enzymatic, kinetic	Serum†/LH plasma
BHB(mg/dl)	BHB dehydrogenase/INT	Serum†/EDTA plasma/LH plasma
Bicarbonate (mmol/L)	Enzymatic, endpoint	Serum†/LH plasma
Bile acids (µmol/L)	Enzymatic, kinetic	Serum†/EDTA plasma/LH plasma
Bilirubin, Total (mg/dl)	Diazo reaction, endpoint	Serum†/LH plasma
Bilirubin, Conjugated (mg/dl)	Nonenzymatic, endpoint	Serum†/LH plasma
Bilirubin, Unconjugated (mg/dl)	Calculation	Serum†/LH plasma
BUN (mg/dl)	Enzymatic, kinetic	Serum†/Urine†/EDTA plasma/LH plasma
BUN/Creat Ratio	Calculation	Serum†/LH plasma
C-Reactive Protein—Canine (mg/L)	Immunoturbidimetric	Serum†
Calcium (mg/dl)	Non-enzymatic (Arsenazo III), endpoint	Serum†/Urine†/LH plasma
Cholesterol (mg/dl)	Enzymatic (Cholesterol Esterase/Oxidase), endpoint	Serum†/EDTA plasma/LH plasma
Creatine kinase (U/L)	Enzymatic, kinetic	Serum†/LH plasma‡
Creatinine (mg/dl)	Alkaline Picrate /modified Jaffe	Serum†/Urine†/LH plasma
Fructosamine (µmol/L)	Nitroblue Tetrazolium (NBT), kinetic	Serum†/LH plasma
GGT (U/L)	Enzymatic, endpoint	Serum†/EDTA plasma/Globulin
Globulin	Calculation	Serum†
Glucose (mg/dl)	Enzymatic (Hexokinase/G-6-PDH), endpoint	Serum†/Urine†/CSF/EDTA plasma/LH plasma
GLDH (U/L)	Enzymatic, kinetic	Serum†
Haptogloblin(mg/L)	Peroxidase activity	Serum†/LH plasma
HDL cholesterol (mg/dl)	Direct homogenous assay	Serum†/EDTA plasma/LH plasma
IRON (mg/dl)	Non-enzymatic (TPTZ), endpoint	Serum†/LH plasma
LDH (U/L)	Enzymatic, kinetic	Serum†/LH plasma
LDL cholesterol (mg/dl)–Rodent	Direct homogenous assay	Serum†/EDTA plasma/LH plasma
LDL cholesterol (mg/dl)–Nonrodent	Calculation	Serum†/EDTA plasma/LH plasma
Lipase (U/L)	Enzymatic (1,2-diglyceride), kinetic	Serum†/EDTA plasma/LH plasma
Magnesium (mg/dl)	Non-enzymatic (Xylidyl Blue), endpoint	Serum†/Urine†/LH plasma
NA, K, Cl (mmol/L)	Ion-Selective Electrode (ISE)	Serum†/Urine†/LH plasma
Na/K Ratio	Calculation	Serum†/LH plasma
NEFA(mEq/L)	Enzymatic	Serum†
Phosphorus (mg/dl)	Non-enzymatic, endpoint	Serum†/Urine†/LH plasma
Plasma Free (mg/dl)	Peroxidase activity	Serum†/EDTA plasma/LH plasma
Total protein (g/dl)	Biuret	Serum†/LH plasma‡
TT4 (µg/dl)	Enzymatic immunoassay	Serum†/EDTA plasma/LH plasma
Triglycerides (mg/dl)	Enzymatic, endpoint	Serum†/EDTA plasma/LH plasma
SDH (U/L)	Enzymatic, kinetic	Serum†/LH plasma
SDMA (ug/dL)	Enzymatic immunoassay	Serum†
Uric acid (mg/dl)	Enzymatic, endpoint	Serum†/Urine†/LH plasma
Urine bile acid (µmol/L)	Enzymatic, kinetic	Urine†
Urine/CSF protein (mg/dl)	Pyrogallol Red	Urine†/CSF

† Validated sample type
‡ Plasma samples may occasionally produce falsely low results

Reference intervals available for most tests for dogs, cats, and horses. Please contact us for more species.

Hematology

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Unless otherwise stated, the following tests can be performed on the common laboratory species. Hematology is an area of excellence for IDEXX BioAnalytics. We have trained technicians to review blood smears manually to ensure automated differentials are as accurate as possible.

Available components for IDEXX BioAnalytics CBC panels:

Erythrogram

- Red Blood Cells (RBC)
- Hematocrit (HCT)
- Total Hemoglobin (HGB)
- Mean Corpuscular Volume (MCV)
- Mean Corpuscular Hemoglobin Concentration (MCHC)
- Mean Corpuscular Hemoglobin (MCH)
- Red Blood Cell Distribution Width (RDW)

WBC differential

- White Blood Cells (WBC)
- Neutrophils (% and absolute)
- Band (% and absolute)
- Lymphocytes (% and absolute)
- Monocytes (% and absolute)
- Eosinophils (% and absolute)
- Basophils (% and absolute)

Platelets

- Platelet Count
- Platelet Estimate
- Platelet Distribution Width (PDW)
- Mean Platelet Volume (MPV)

Reticulocytes

- Reticulocyte Count (% and absolute)
- Reticulocyte Hemoglobin Content

Microscopic evaluation of blood smear

- Provide WBC and RBC morphology
- Atypical cells and infectious agents will be noted

Custom hematology codes can be created for your research needs.
Please contact us to discuss testing and pricing options.

CBC Panels

	WBC Count, Automated with Differential	Blood Count	CBC with Platelet Count	Comprehensive CBC	Comprehensive CBC with Retic Hgb	Comprehensive CBC with MPV and RDW
Test code	**61332**	**6301**	**60604**	**61330**	**62216**	**62649**
Price	**$33.50**	**$32.50**	**$71.25**	**$71.25**	**$71.25**	**$71.25**
Recommended volume for all hematology	**200 µL**	**200 µL**	**200 µL**	**200 µL**	**200 µL**	**200 µL**
WBC	•	•	•	•	•	•
RBC		•	•	•	•	•
HGB		•	•	•	•	•
HCT		•	•	•	•	•
MCV		•	•	•	•	•
MCH		•	•	•	•	•
MCHC		•	•	•	•	•
WBC Differential	•		•	•	•	•
Blood Film Evaluation			•	•	•	•
Platelet Count†			•	•	•	•
Platelet Estimate	•		•	•	•	•
Reticulocyte Count				•	•	•
MPV and RDW						•
Reticulocyte Hemoglobin Content					•	

† If obtainable

Hematology

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Add-ons for Standard Hematology

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Reticulocyte Count Add-on, Automated Mouse, Rat, Primate, Canine, Feline, Bovine, Porcine	No additional sample volume required	1–2 days	**6313**	**$30.25**
Platelet Count Add-on, Automated Mouse, Rat, Primate, Canine, Feline, Ovine, Bovine, Lagomorph, Porcine, Equine	No additional sample volume required	1–2 days	**60371**	**$22.50**
Platelet Count Add-on, Manual–All Species	No additional sample volume required	1–2 days	**63091**	**$36.50**
Platelet Distribution Width (PDW) and Mean Platelet Volume (MPV) Add-on	No additional sample volume require	1–2 days	**61010**	**$22.50**

Hematology and Chemistry Profiles (Combined)

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Comprehensive Chemistry and Comprehensive CBC	200 µL serum, 200 µL LTT	1–2 days	**61331**	**$131.00**

Individual Tests

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Platelet Count, Automated–Canine, Feline, Ovine, Bovine, Lagomorph, Rat, Equine, Mouse, Porcine, Primate	200 µL LTT	1–2 days	**6037**	**$29.50**
Platelet Count, Manual–All Species	1 mL LTT, 2 blood smears	1–2 days	**6027**	**$42.25**
Plasma Protein by refractometry	500 µL LTT	1–2 days	**6314**	**$27.25**
Reticulocyte Count and RBC, Automated Mouse, Rat, Primate, Canine, Feline, Bovine, Porcine	200 µL LTT	1–2 days	**60828**	**$39.75**

Hematology

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Additional Hematology Sample Information

Whole Blood

Sample Type for Complete blood count (CBC)

Whole blood is blood drawn directly from the animal. Made up of plasma, a fluid component that carries dissolved molecules, and the cellular components, such as red and white blood cells and platelets. Whole blood is drawn into a tube containing anti-coagulant so that cells do not clump together.

- Ideal specimen for most hematology services: EDTA whole blood in a lavender top tube (LTT) tube filled to the recommended level (Proper blood to anticoagulant ratio is important for accurate results).
- Also accepted: Heparin-anticoagulated whole blood in a green top tube (GNTT) or sodium citrated whole blood in a light blue top tube (BTT).
- Tube type: Lavender top EDTA tube (LTT).
- Sample handling: Promptly fill and thoroughly mix. Observe fill lines to achieve proper blood to anticoagulant ratio. Mix by gently inverting tube 8 to 10 times to prevent clotting and hemolysis. Label the tube with the sample ID and collection date. If collecting blood from one animal into multiple tubes, fill the LTT last to avoid contaminating other sample tubes with EDTA.
- Sample storage: Refrigerate (2–8°C) samples. Optimal results are obtained on refrigerated samples less than 72 hours old. DO NOT FREEZE. These samples degrade rapidly at room temperature and are destroyed by freezing.
- Sample shipping: Ship refrigerated on cold packs, ideally same day or day following collection. Samples received 72 hours or more past collection may show significant degradation that can affect results. Ensure samples do not come into direct contact with cold packs during shipment. Samples can be placed within an internal container to prevent freezing.

Other sample notes

Blood sampling tips to improve sample quality:

- To avoid hemolysis, blood samples should be taken immediately after the vein has been raised.
- Avoid “pumping or milking” the blood from the vein as this can induce coagulation and erythocyte lysis.
- Avoid high negative pressure in the syringe, as this can cause erythrocytes to rupture.
- Do not squirt blood forcefuly through the syringe into the tube. Instead apply gentle pressure and allow the blood to run down the side of the tube wall.

Specimen quality

Samples that are grossly hemolyzed or clotted greater than 50% will not be run. Exposure to extreme temperatures, both hot and cold, will affect the analysis of the sample.

Hematology methodology information

IDEXX BioAnalytics utilizes a SYSMEX XT-V for routine hematology testing. The SYSMEX XT-V Analyzer is a fully automated diagnostic instrument for veterinary hematology. The analyzer uses whole blood samples to provide results for CBC, differentials, and reticulocyte count testing. Other fluid types can also be analyzed as needed. Please reach out to Client Support Services if you have inquiries regarding other sample types.

Our Sysmex instruments are validated for mouse, rat, NHP, canine, feline, equine, bovine, porcine samples. We have also partially validated some other species; specifically, they are not validated for automated differentials on rabbit, llama/alpaca, or caprine samples. Nor are they validated for platelet counts on llama/alpaca or caprine or retic work on rabbits, ovine, llama/alpaca, or caprine. IDEXX BioAnalytics can still provide these services through manual methods.

Parameter	Methodology
White Blood Cell count **(WBC)**	Optical
Red Blood Cell count **(RBC)**	Impedance
Hemoglobin concentration **(HGB)**	SLS-Hemoglobin
Hematocrit **(HCT)**	Direct Measurement
Mean Corpuscular Volume **(MCV)**	Calculation
Mean Corpuscular Hemoglobin **(MCH)**	Calculation
Mean Corpuscular Hemoglobin Concentration **(MCHC)**	Calculation
Platelet count **(PLT)**	Impedance/Optical
Reticulocytes **(RET)**	Fluorescent Flow Cytometry

- The SYSMEX XT-V white blood cell differential (WBC DIFF) methods, consisting of a flow cytometry method with semiconductor laser using forward scattered light, side scattered light, and side fluorescent scatter light, is intended to quantitatively measure the WBC differential. Reported hematological parameters are Neutrophils, Bands, Lymphocytes, Monocytes, Eosinophils, Basophils, Metamyelocyte, Myelocyte, Promyelocyte, and Unclassified.
- The SYSMEX XT-V reticulocyte count method enumerates reticulocytes by fluorescent flow cytometry. RBCs are stained with polymethine dye. A two-dimensional scattergram of the cell volume (forward scatter) versus the amount of nucleic acid (side fluorescent scatter) is analyzed. The analyzer fractionates RBCs, reticulocytes, and platelets.
- Each CBC also includes a manual smear review by a trained technician. This smear review is to identify possible abnormalities not detectable by instruments.
- Please contact us for methods used for manually performed tests.

Coagulation

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Standard Panels

	Coagulation Profile 2	Coagulation Mini	Research Custom Panel 60774	Research Custom Panel 60843
Test code	**6045**	**6005**	**60774**	**60843**
Price	**$94.50**	**$67.00**	**$130.50**	**$95.75**
Volume	**325 µL citrated plasma**	**250 µL citrated plasma**	**200 µL EDTA whole blood for platelet count and 325 µL citrated plasma for coagulation tests**	**200 µL EDTA whole blood for platelet count and 250 µL citrated plasma for coagulation tests**
Prothrombin Time (PT)	•	•	•	•
Activated Partial Thromboplastin Time (PTT)	•	•	•	•
Fibrinogen–Clauss method (with mechanical clot detection)	•		•	
Platelet Count, Automated			•	•

Coagulation Individual Tests

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Prothrombin Time (PT)	225 µL citrated plasma	1–2 days	**6311**	**$35.75**
Partial Thromboplastin Time (PTT)	225 µL citrated plasma	1–2 days	**6312**	**$35.75**
Fibrinogen–Clauss method (with mechanical clot detection)	160 µL citrated plasma	1–2 days	**6308**	**$37.50**
Fibrinogen by Heat Precipitation	1 mL citrated (BTT) or EDTA (LTT) whole blood	1–2 days	**6306**	**$36.75**

Hematology and Coagulation Profiles (Combined)

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Comprehensive CBC and Coag Profile 2	325 µL citrated plasma and 200 µL EDTA whole blood	1–2 days	**6004**	**$160.00**

IDEXX BioAnalytics also offers D-Dimer, FDP, and Factor testing through send-out laboratories.

Additional Coagulation Sample Information

Plasma

Plasma is the fluid component of blood. To harvest plasma, blood must be mixed with an anti-coagulant or clotting will occur rapidly, consuming molecules in the plasma that are required for testing. Blood is then centrifuged to separate plasma fluid from the cell components.

- Ideal specimen: Citrated plasma in non-additive tube
- Tube type: Light blue top tube (LTT), sodium citrate anticoagulant (3.2%) then non-additive tube for storage and shipment
- Sample handling: Fill tube to appropriate volume (proper blood to anticoagulant ratio is important for accurate results). Gently invert tube 10 times to mix and prevent clotting. Centrifuge as soon as possible at 1500 rcf for 15 minutes. Pipette plasma off of the cells without the disturbing the buffy coat in between and transfer into a non-additive tube. Label the tube with samples ID, collection date and "citrated plasma". Plasma cannot be transferred to another blue-top tube; the specimen will be over-diluted with sodium citrate anticoagulant.
- Sample storage: Freeze at -20°C
- Sample shipping: Ship samples on cold packs or dry ice.

Other sample notes

- Sodium citrate plasma (free of tissue fluids) is required for analysis of PT, PTT, and fibrinogen by Clauss method. Sodium oxalate, EDTA, and heparin **are not** suitable anticoagulants for testing and **are not accepted**.
- EDTA whole blood or citrated whole blood is required for fibrinogen by heat precipitation. For small animals, fibrinogen by Clauss method is recommended and is more accurate for low levels of fibrinogen. Fibrinogen by heat precipitation is more commonly utilized for large animal species.
- **The ratio of anticoagulant to blood is important**. Increased or decreased volumes of anticoagulant may cause erroneous test results.
- Plasma held unnecessarily long at 2–8°C might undergo "cold activation" resulting in a significant shortening of the PT.

Coagulation methodology information

IDEXX BioAnalytics utilizes Stago coagulation analyzers for testing. The analyzers are either fully automated or semi-automated benchtop instruments depending on model used.

Cytology and Fluid Analysis

Test name and components	Test code	Price
Cytology Microscopic examination of samples submitted on glass slide(s).	**6605**	**$107.25**
Cytology with Fluid Analysis (except CSF) Service includes microscopic description and interpretation, as well as total protein and automated total nucleated cell count.	**6905**	**$107.25**
Cytology with CSF Fluid Analysis Service includes microscopic description and interpretation, as well as hemacytometer RBC and WBC count, microprotein and glucose measurements.	**6900**	**$107.25**
Bone Marrow Cytology Service includes microscopic description and interpretation of bone marrow smears. Bone marrow submissions must be accompanied by an EDTA-anticoagulated peripheral blood sample for a comprehensive CBC. Samples required include LTT for comprehensive CBC and 4–10 dry (unfixed, unstained) bone marrow smears. For study submissions, inclusion of a detailed study protocol is strongly recommended.	**6607**	**$120.75**
Automated Nucleated Cell Count	**6335**	**$24.75**

Additional Cytology Specimen Information

- All smears should be held at room temperature. Do not refrigerate.
- Ship slides in cardboard or plastic container to prevent breaking, do not allow coolant to come in contact with specimen.
- Proper collection techniques are vital for obtaining optimal results. Guidance on sample collection and handling is available through the Client Support Services and your Account Manager. A consultation with our pathologists may also be arranged, if needed.

Cytokines

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Mouse 25-Plex Panel† IL-1, IL-1, IL-2, IL-4, IL-5, IL-6, IL-7, IL-9, IL-10, IL-12(p70), IL-12 (p40), IL-13, IL-15, IL-17, G-CSF, GM-CSF, IFN-γ, IP-10, KC, MCP-1α, MIP-1, MIP-1β, MIP-2, RANTES, TNFα	35 µL serum, EDTA plasma, cell culture supernatant	10 days	**62579**	**$169.00**
Rat 27-Plex Panel† IL-1α, IL-1β, IL-2, IL4, IL-5, IL-6, IL-10, IL-12(p70), IL-13, IL-17A, IL-18, EGF, Eotaxin/CCL11, Fractalkine, G-CSF, GM-CSF, GRO/KC, IFN-γ, IP-10, Leptin, LIX, MCP-1, MIP-1α, MIP-2, RANTES, TNFα, VEGF	35 µL serum, EDTA plasma, cell culture supernatant	10 days	**62831**	**Call**
IL-2 (Human)†	50 µL serum, plasma	Call	**Call**	**Call**
IL-15 (Human)†	100 µL serum, plasma	Call	**Call**	**Call**

Cytokine Specimen Collection

- Ideal specimen: Serum
- Also accepted: EDTA Plasma, Cell culture supernatant, inquire as to additional sample types
- Collection tube type: Serum separator tube (STT), red top tube (RTT), or Lavender top (LTT) EDTA tube
- Sample handling: Allow serum samples to clot for 30 minutes at room temperature then centrifuge 10 minutes at 2,000 to 2,500 rcf, remove serum from clot immediately and transfer to a non-additive tube. If plasma is being collected, centrifuge within 30 minutes of collection at 1Kg for 10 minutes. Remove plasma from cells immediately and transfer to a non-additive tube
- Sample storage: </= -20°C, -80°C preferred
- Sample shipping: Frozen, on dry ice
- Volume Required: 35µL
- Turnaround time: 10 days

Cytokines

Other sample notes

- For plasma samples, use EDTA anticoagulant for best results.
- Try to minimize the time between collection and storage (below 1 hour). When collecting plasma, keep whole blood at 4°C until processing.
- Samples must be non-hemolyzed and non-lipemic.
- Avoid freeze/thaw cycles.

Histology

We offer a wide variety of services to fit your needs. We accept fresh, snap frozen, or fixed whole organs or trimmed tissues, formalin fixed paraffin embedded tissue blocks, or even prepared unstained slides for staining. Our flexible services include: • Small animal dissection • Organ/tissue trimming • Routine paraffin embedding • Special embedding using agarose gel (organoids, cell suspensions, small tissues, special orientation) • Frozen sectioning • Preparation of unstained slides only • Routine Hematoxylin & Eosin staining • Special staining • Recut step or serial sections (unstained, H&E or special stained) and • Decalcification.

Fixed Tissue Submitted as Untrimmed Tissues	
Embedding Only (price per block)	**$15.25**
Unstained Slide	**$18.25**
Hematoxylin and Eosin (H&E) Stained Slide	**$20.00**
Special Stained Slide (see special stains list)	**Call**
Fixed Tissue Submitted as Trimmed Tissues in Labeled Cassettes	
Embedding Only (price per block)	**$11.25**
Unstained Slide	**$13.25**
Hematoxylin and Eosin (H&E) Stained Slide	**$14.25**
Special Stained Slide (see special stains list)	**Call**
Tissue Submitted in Paraffin Blocks	
Recut Serial Section (billed per slide), Up to 2 Serial Sections per Slide:	
Unstained Sections	**$10.00**
Hematoxylin and Eosin (H&E) Stained Sections	**$10.50**
Recuts, Step Sections/Levels (billed per slide), Up to 2 Serial Sections per Slide:	
Unstained Sections	**$11.25**
Hematoxylin and Eosin (H&E) Stained Sections	**$12.25**
Special stained slide (see special stains list)	**Call**

Histology

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Additional Procedures	
Decalcification (per tissue)	**$7.75**
Special embedding (cell suspensions, small tissues, special orientation organoids) using agarose gel	**$7.75**
Special embedding of large animal tissues (e.g., eyes, bones)	**$7.75**
Preparation of Tissues for In Situ Hybridization	**Call**
More than two serial sections per slide (serial section charge for additional sections)	**Call**
Frozen Tissue Submitted as Untrimmed Tissue	
Unstained Slide	**$34.50**
Hematoxylin and Eosin (H&E) Stained Slide	**$35.50**
Special Stained Slide	**Call**
Frozen Tissue Submitted in OCT Blocks	
Unstained Slide	**$24.00**
Hematoxylin and Eosin (H&E) Stained Slide	**$24.50**
Special Stained Slide	**Call**
Other Services	
Processing of Light-Sensitive Frozen Specimens	**Call**
Special Embedding Procedures in OCT	**Call**

Histology Slide Preparation Service Turnaround Times

- Turn around time is dependent on the size of studies and lab queue. Once we receive your study details, we can set TAT expectations, however, below are typical TATs.
- 2 weeks (10 working days) for routine slide preparation, 4–5 weeks for large studies or specialized embedding or sectioning requests. Call for more specific information.
- 3–day advance notice is recommended in order to guarantee your turnaround times.
- A STAT service may be available, call for more specific information.

Histology Slide Preparation Special Stains†

Stain	Purpose
Alcian Blue (pH 1.0 or pH 2.5) with or without PAS	Carbohydrates/Mucin
Congo Red Amyloid	Amyloid
Rhodanine (Copper)	Copper
Cresyl Violet—Nissl	Neurons/Pituitary
Verhoeff Van Gieson (VVG)	Connective/Muscle
Oil Red O (frozen fixed tissue only)	Lipids
Giemsa	Microorganisms/Nuclear Elements
Glycogen-Digested PAS/H	Carbohydrates/Mucin
Churukian's Ammoniacal Silver Method (PcAg)	Pneumocystis (lung)/Fungi
Gram's (modified Brown-Hopps)	Microorganisms
Hall's Bilirubin	Bile
Hematoxylin and Eosin (H&E)	Nuclear/Cytoplasmic
Luxol Fast Blue (LFB)	Neuro/Pituitary
Methylene Blue	Nuclear Elements
Movat's Pentachrome	Connective/Muscle
Periodic Acid-Schiff (PAS)	Microorganisms/Neuro/Pituitary
Prussian blue (Perl's Iron)	Iron (Hemosiderin)
Toluidine Blue	Nuclear Elements
Trichrome—Masson's	Connective/Muscle
Alizarin Red S	Calcium
Steiner (modified)	Microorganisms
Ziehl-Neelsen (AFB)	Acid-fast bacteria
Picrosirius Red	Collagen
Von Kossa	Calcium
Verhoff's Van Gieson	Elastic
Grocott methenamine silver (GMS)	Microorganisms

†Please call if your ideal stain is not listed, we may be able to accommodate your requests.

Histology and Histopathology Sample Preparation

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

IDEXX BioAnalytics recognizes that sample quality is directly correlated to the quality of slides and/or pathological report you will receive. In order to receive the best results, we recommend following the guidelines for tissue collection, preservation and shipping. Please contact us with questions about our standard practices or to discuss customized protocols for your upcoming study.

Contact your local Account Manager, or Client Support Services at 1-800-669-0825 or idexxbioanalytics@idexx.com for further assistance.

Collected Sample Preparation

- Place tissues in formalin for at least 24 hours before shipment. Tissue to formalin ratio should be 1 to 20 for proper fixation. Whole rodent and tissues such as lung, brain, bone marrow and spinal cord have specialized collection protocols.
- Make sure tissues are not tightly packed in jars or cassettes. Smaller tissues can be placed in a cassette or submitted attached to surrounding organs.
- Label cassettes with a pencil. Even indelible ink will fade during processing.
- Tissues can be shipped in 70% alcohol or formalin. If you plan to perform IHC testing after preparation, please consult with our Client Support Services team for the proper fixation protocol.
- Store fixed samples at room temperature. Frozen samples must be stored and shipped on dry ice.

Packing for Shipment

To preserve sample integrity and prevent leakage samples should be triple-bagged with each layer tied, knotted or secured individually.

- Screw-topped containers are preferred. Make sure the lid is tightly secured to the jar and place a layer of Parafilm or tape to secure the lid to the jar.
- Invert the jar to check for leaks and reseal if needed.
- Place jar(s) into one gallon sealable bag with absorbent material such as paper towels and seal the bag.
- Place samples in a sealable bag in a second sealable bag and seal or double-line (one bag inside of another) the shipping box with large garbage bags and tie off each bag separately.
- Prior to knotting the first garbage bag, place absorbent packing materials around the bagged samples to not only absorb any leaked fluid but to prevent jostling and stabilize samples during shipment.
- If sample jars are too large to seal in a one gallon sealable bag, you can also use garbage bags to triple line the shipping container. Absorbent material should be placed around the samples in the first garbage bag prior to tying a knot in the bag.
- Place the Histology Submission Form(s) or online submission packing slip and other supporting documents (if needed) on the outside of the second garbage bag. Do not tape the inventory form to the outside of the box or place with samples in the same sealable bag.

We welcome you to submit diagrams or other special instructions if you would like to customize your study. We also have experience with a wide variety of research animal models. Consult with us to help determine the best collection and shipping protocol for your research application.

Pathology Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Diagnostic Pathology Services

Our team of veterinary pathologists has extensive experience and expertise with animal health monitoring/disease surveillance and with the investigation of unexpected disease or outcomes in all species of research animals from aquatic species to rodents to non-human primates--whether they are on or off study. We will accept trimmed or untrimmed tissues or whole carcasses.* Our team of veterinary pathologists, laboratory animal veterinarians, and other scientific experts work collaboratively to help guide sample submission in order to maximize diagnostic yield, facilitate diagnosis, and quickly identify potential interventions or disease management strategies.

*We do not accept non-human primate carcasses for dissection.

Diagnostic Pathology Services	
Slide Preparation†	**$20.00/ H&E stained slide**
Anatomic pathologist evaluation† For diagnostic submissions price quoted will vary based upon the number of slides prepared and the number of tissues evaluated by the pathologist. If a diagnosis requires additional staining beyond the standard H&E, special stains may be performed at additional costs.	**$24.25/tissue**
Dissection of tissues from fixed or fresh carcass (mouse or rat)	**$37.25**
Dissection of tissues from fixed or fresh carcass (guinea pig, rabbit or other species)	**Call**
Tissue weights or gross measurements	**Call**

Turnaround Times
A diagnostic pathology report will be available within 10 working days from receipt of specimen. Providing a complete history including but not limited to: clinical signs, clinical diagnosis, strain/model, and experimental manipulations will expedite reporting. Turnaround times may be delayed if a complete history is not provided.

Research and Toxicologic Pathology Services

Our team of veterinary pathologists has extensive experience and expertise with a wide variety of research models. Our pathologists are available to consult on study design, sample collection, lesion scoring options, troubleshooting unexpected challenges, and interpreting study results in order to produce meaningful data, identify treatment related effects, and advance your research. We employ standardized tissue trimming guidelines and toxicologic pathology nomenclature when processing and interpreting tissue samples.
As with our histology services, we are flexible and will accept trimmed or untrimmed tissues or carcasses* and also will evaluate both IDEXX BioAnalytics prepared slides or glass or digital slides prepared elsewhere. Histopathological findings are presented as a formal contributing scientist report.

*We do not accept non-human primate carcasses for dissection.

Research and Toxicologic Pathology Services	
Slide Preparation	**$20.00/ H&E stained slide**
Anatomic pathologist evaluation Charges for tissue evaluation vary depending on evaluation criteria and needs of the study. Other charges may include special stains, morphometric analyses, shipping costs for return of samples	
Standard semi-quantitative scoring using INHAND guidelines	**$24.25/tissue section**
Client directed scoring paradigm or other special requests	**$47.50/tissue section**
Anatomic pathologist services Includes additional pathologist consultation, edits and revision on reports, interim reports	**$350.00/h**
Clinical pathology contributing scientist report Interpretation of clinical pathology data including hematology, clinical chemistry, cytology	**Call**

Turnaround Times
Turnaround times for research and toxicologic pathology results are based on study, type of evaluations performed, and additional services related to study evaluation goals.

Photography Services (Gross and Microscopic)	
Annotated Digital Images (available via cloud service)	**$59.00/image**
Non-Annotated Digital Images (available via cloud service)	**$32.00/image**

† Minimum sample quantity required for pricing listed. Minimum charges may apply.

IDEXX Core Lab Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

IDEXX BioAnalytics strives to supply the best results possible. As a result, IDEXX BioAnalytics runs some specialized testing types through our larger core laboratories located in the same facility as IDEXX BioAnalytics preclinical labs. Utilizing this additional resource allows us to offer a greater breadth of capabilities beyond IDEXX BioAnalytics lab-specific services.

Microbiology

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Fast Stain for *Mycobacteria* spp.	Slide, Culture swab or container	2–3 days	**6408**	**$74.25**
Aerobic and Anaerobic Cultures (ID only)	Two culturettes or sterile container (no formalin); please specify source	Up to 4 days for negative results, longer depending on growth	**64017**	**$93.50**
Aerobic and Anaerobic Cultures (ID and Susceptibility)	Two culturettes or sterile container (no formalin); please specify source	Up to 4 days for negative results, longer depending on growth	**6401**	**$116.25**
Aerobic Culture (ID Only)	Culturette or sterile container (no formalin); please specify site	Up to 4 days for negative results, longer depending on growth	**6427**	**$66.00**
Aerobic Culture (ID and Susceptibility)	Culturette or sterile container (no formalin); please specify site	Up to 4 days for negative results, longer depending on growth	**64006**	**$88.50**
Blood Culture (One Timepoint)– **Aerobic culture** (organism ID and susceptibility), **Anaerobic culture** (organism ID only)	In one 84 mL blood culture bottle, collect 5 mL whole blood for patients 5-20 lb, 7.5 mL for patients 20-40 lb, or 10 mL for patients >40 lb. For patients <5 lb, place 1.5 mL in one yellow-topped Wampole Isolator® tube. Keep at room temperature.	8–10 days (4 weeks if fungal organisms suspected, the lab should be notified.)	**6406**	**$112.50**
Environmental Culture	Culturette or sterile container (no formalin); please specify source	Up to 3 days for negative results; longer depending on growth	**6030**	**$67.25**
Fecal Enteric Pathogenic Culture, *Campylobacter* spp. Only	3–5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–6 days, longer depending on growth	**64026**	**$90.25**
Fecal Enteric Pathogenic Culture, *Campylobacter coli*, *Campylobacter jejuni* Only – NHP	3–5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–6 days, longer depending on growth	**64026**	**$90.25**
Fecal culture of enteric pathogens, including *Salmonella* spp., *Shigella* spp., *Aeromonas* spp., *Edwardsiella* spp. and *Plesiomonas* spp.	3-5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–5 days, longer depending on growth	**64021**	**$79.00**
Fecal culture of enteric pathogens, including *Campylobacter coli*, *Campylobacter jejuni*, *Salmonella enterica*, *Shigella* spp., *Yersinia enterocolitica, Yersinia pseudotuberculosis* – NHP	3-5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–5 days, longer depending on growth	**64021**	**$79.00**
Fecal Enteric Pathogenic Culture 1 with *Campylobacter* spp. *Aeromonas* spp., *Edwardsiella* spp., *Plesiomonas* spp., *Salmonella* spp., *Shigella* spp., *Yersinia* spp.	3–5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–6 days, longer depending on growth	**64022**	**$105.50**
Fecal Enteric Pathogen Culture 1 with *Campylobacter coli, Campylobacter jejuni, Aeromonas hydrophila, Edwardsiella tarda, Plesiomonas shigelloides, Salmonella enterica, Shigella* spp., *Yersinia enterocolitica, Yersinia pseudotuberculosis* – NHP	3–5 g fresh feces in fecal culture transport media (preferred), RTT, culturette or sterile container	3–6 days, longer depending on growth	**64022**	**$105.50**

IDEXX Core Lab Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Fecal Enteric Pathogenic Culture with *Campylobacter* spp., *Yersinia* spp., *Shigella* spp., *Aeromonas* spp., *Edwardsiella* spp., *Plesiomonas* spp., *Salmonella* spp.	3–5 g fresh feces in fecal culture transport media (preferred), RTT, Culturette or sterile container	3–6 days, longer depending on growth	**64034**	**$109.25**
Fecal Enteric Pathogen Culture 1 with *Campylobacter coli, Campylobacter jejuni, Yersinia enterocolitica, Yersinia pseudotuberculosis, Shigella* spp., *Aeromonas hydrophila, Edwardsiella tarda, Plesiomonas shigelloides, Salmonella enterica, Arcobacter butzleri, Clostridium difficile, Clostridium perfringens* – NHP	3–5 g fresh feces in fecal culture transport media (preferred), RTT, Culturette or sterile container	3–6 days, longer depending on growth	**64034**	**$109.25**
Fungal Culture (ID Only)	Culturette, hair/skin scrapings in plastic tube or RTT; fresh tissue in sterile container (no formalin); feed/bedding in closed container/bag; specify site	Checked weekly; final report usually by 2–3 weeks, depending on growth	**6405**	**$79.75**
Gram Stain	Slide, culturette or sterile container	2–3 days	**6409**	**$45.25**
***Mycoplasma* spp. Culture**	Mucus in Amies transport media without charcoal (preferred); semen or respiratory samples in sterile container (preferred) or by culturette; specify site	5–7 days	**6411**	**$103.25**
Urine Culture and Susceptibility	1 mL urine in a sterile container (WTT and collection by cystocentesis preferred)	1–2 working days for negative results, longer depending on growth	**6403**	**$90.50**

Microbiology Sample Preparation and Handling Guide

IDEXX BioAnalytics recognizes that sample quality is directly correlated to receiving quality results. We recommend the following guidelines. Please specify source for all cultures. IDEXX BioAnalytics provides these collection supplies at no charge.

Type of Source	Collection Supply Type	Specimen Preparation and Collection	Test to Request
Abscess or Wound	Culturette or sterile tube† Keep at room temperature	Aseptically prepare collection site. Aspirate fluid or pus from pustules or vesicular wounds and abscesses.	Aerobic and/or anaerobic culture
Blood	One blood culture bottle per time point. Do not submit swabs, serum or whole blood in LTT or RTT For animals >5 lbs., use an 80-mL. Oxiod blood culture For animals <5 lbs., (and all blood fungal cultures), use a yellow-top Wampole™ ISOLATOR™ pediatric bottle Keep at room temperature	Collection using sterile technique is critical for accurate results. Aseptically prepare venipuncture site. Disinfect the top of the culture bottle with alcohol and let dry. Ideally two samples drawn approximately one hour apart from different venous sites should be submitted.(Do not refrigerate.) >40 lbs., place 10-mL blood in one 80 mL bottle 20–40 lbs., place 7.5-mL blood in one 80 mL bottle 5–20 lbs., place 5-mL blood in one 80 mL bottle <5 lbs., place 1.5-mL blood in one ISOLATOR™ pediatric bottle	Blood culture If ruling out brucella canis-blood culture should be ordered Fungal culture if ruling out fungus from blood
Bone Marrow	Sterile tube†	Aseptically prepare collection site.	Aerobic and/or anaerobic culture
Central Nervous System	Sterile tube† Keep at room temperature	Collect CSF (Cerebrospinal Fluid) by an ascetic ubdural tap, ventricular aspiration or lumbar puncture.	Aerobic and/or anaerobic culture
Ears	Culturette	Posterior pharyngeal cultures may also reveal organisms causing otitis media. Note: Topical treatments may inhibit bacterial	Aerobic and/or anaerobic culture

IDEXX Core Lab Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Type of Source	Collection Supply Type	Specimen Preparation and Collection	Test to Request
Eyes	Culturette	Use swab to collect suppurative material from cul-de-sac or media canthus. Note: Topical anesthetic may inhibit bacterial	Aerobic and/or anaerobic culture
Feces	Fecal culture transport media (preferred) or sterile tube†	Avoid contamination with urine and soil. If Clostridium perfringens and Clostridium difficile enterotoxin testing will be performed, include 3–5 fresh feces in a sterile container.	Fecal culture
Joint Fluid	Sterile tube†, or blood culture bottle. Keep at room temperature	Aseptically inject fluid into a sterile tube or blood culture bottle. Specimens >48 hours old are not suitable for culture.	Aerobic and/or anaerobic culture
Nail, Skin or Hair Culture (Fungal)	Sterile tube†, envelope preferred for hair	Use a sterile blade or swab to collect material from infected nail. Scrape or swab active border of skin lesions. Hair should be plucked (not cut) in order to include roots.	Aerobic and/or fungal culture
Sinus	Culturette or sterile tube†	Aspirate from maxillary, frontal or other sinuses. Note: Chronic sinusitis often involves anaerobic bacteria	Aerobic and/or fungal culture
Tissue	Sterile tube†	Place tissue in sterile tube with a small amount of saline or sterile Lactated Ringers solution to keep specimen hydrated. Do not submit in formalin or ethanol.	Aerobic and/or fungal culture
Tracheal wash/ Bronchoalveolar lavage (BAL)	Sterile tube†	Place wash fluid in sterile tube. Best results can be expected when a buffered solution, such as Lactated Ringers Solution (LRS), is used, rather than acidic isotonic saline solutions.	Aerobic and/or fungal culture
Urine	Sterile tube†	Indicate collection method. Cystocentesis is strongly recommended (except in large animals). Avoid contamination with feces.	Urine culture (aerobic organism ID and susceptibility), Aerobic and/or anaerobic culture

Parasitology & Immunology

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Antinuclear Antibody (ANA) by IFA	1 mL serum	2–4 days	**6700**	**$67.25**
Cardiopet® proBNP Test–Canine	1 mL EDTA plasma (preferred; spin and separate plasma into an RTT or a WTT [plain plastic tube])	1–2 days	**62665**	**$87.75**
Cardiopet® proBNP Test–Feline	1 mL serum or EDTA plasma (LLT; spin and separate plasma into an RTT or WTT [plain plastic tube])	1–2 days	**62666**	**$87.75**
Cryptosporidium Antigen by ELISA–Mammals	3–5 g fresh feces in a clean, plastic container or formalin	1–2 days	**6514**	**$74.25**
Fecal Ova and Parasites by Zinc Sulfate Centrifugation	3–5 g fresh feces in a clean plastic container	1–2 days	**6501**	**$46.00**
Ova and Parasites- NHP	3–5g fresh feces in a clean plastic container	5–7 days	**6501**	**$46.00**
Ova and Parasites with Giardia spp. PCR - NHP	3–5g fresh feces in a clean plastic container, please also include SAF feces	5–7 days	**2463**	**$93.50**
Parasite Stain–Trichrome Stain	Fecal sample in SAF only	10–14 days	**6505**	**$79.00**
Fecal Occult Blood	3–5 g fresh feces in a clean plastic container	1–2 days	**6907**	**$42.75**
FeLV Antigen and FIV Antibody by ELISA	1 mL plasma (preferred) or serum	1–2 days	**60687**	**$54.50**
FeLV Antigen by ELISA	1 mL plasma (preferred) or serum	1–2 days	**6709**	**$31.75**
FIV Antibody by ELISA	1 mL serum or plasma	1–2 days	**61039**	**$53.25**
Giardia Antigen by ELISA–Mammals	3–5 g (0.2 g minimum) fresh feces in a clean plastic container	1–2 days	**6513**	**$60.50**

† Use a sterile plastic or plain non-additive tube without clot activator. Plastic RTT with clot activator (serum tubes) or Lavender Top Tube (LTT) are not recommended for cultures as these may inhibit bacterial growth.

IDEXX Core Lab Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Parasitology & Immunology

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Heartworm Antigen by ELISA–Canine	1 mL serum	1–2 days	**6723**	**$33.75**
Heartworm Panel–Canine Canine heartworm antigen by ELISA, microfilariae by filter	1 mL serum, 2mL LTT	1–2 days	**6271**	**$62.00**
Lyme Quant C6® Antibody by ELISA	1 mL serum	2–4 days	**67246**	**$83.75**
Spec fPL® Test–Feline	1 mL serum (fasted preferred)	1–2 days	**62493**	**$69.50**
Spec cPL® Test–Canine	1 mL serum (fasted preferred)	1–2 days	**61849**	**$69.50**

Endocrinology

Test name and components	Specimen requirements	Turnaround time	Test code	Price
ACTH Stimulation (One Pre, One Post)–Canine/Feline	1 mL serum per specimen; label tubes as "pre" and "post"	1–2 days	**119**	**$103.00**
ACTH, Endogenous–Canine	1 mL EDTA plasma, frozen, Collect after overnight fast	3–5 days	**808**	**$134.50**
Cortisol–Canine and Feline Only	1 mL serum	1–2 days	**6800**	**$70.50**
Cortisol by RIA	1 mL serum	3–5 days	**8000**	**$78.50**
Insulin by RIA–Canine and Equine Only	1 mL serum	3–5 days	**6805**	**$86.50**
Progesterone by RIA	1 mL serum (RTT only, no SST; spun and separated into another RTT or WTT) per specimen	2–4 days	**68060**	**$78.50**
TSH, Endogenous–Canine Only	1 mL serum	2–3 days	**6853**	**$63.50**
T3, Total by RIA	1 mL serum	3–6 days	**6803**	**$44.25**
T4, Free by Equilibrium Dialysis	1 mL serum	3–6 days	**6849**	**$89.25**
T4, Total by RIA	Mammal: 1 mL serum; Avian: 0.3 mL serum, heparinized plasma (GNTT), or EDTA plasma (LTT)	2–3 days	**6814**	**$41.25**

Core Clinical Chemistry

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Ammonia	1 mL EDTA or heparinized plasma	1–3 days	**202**	**$100.00**
Bromide	1 mL serum	2–5 days	**839**	**$112.00**
Cholinesterase	1 mL serum	1–2 days	**6230**	**$63.75**
Cobalamin (Vitamin B12) and Folate	1 mL serum	1–2 days	**2014**	**$127.00**

IDEXX Core Lab Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

RealPCR Molecular Diagnostics

Test name and components	Specimen requirements	Turnaround time	Test code	Price
Diarrhea RealPCR Panel (Comprehensive)–Canine *Campylobacter coli, Campylobacter jejuni*, canine circovirus, canine distemper virus (CDV), canine enteric coronavirus (CECoV), canine parvovirus 2 (CPV-2), *Clostridium difficile* toxin A/B gene, *Clostridium perfringens* alpha toxin (CPA) gene quant, *Clostridium perfringens* CPnetE/F toxin gene quant, *Crytospordium* spp., *Giardia* spp., and *Salmonella* spp.	5 g (1 g minimum) fresh feces in a sterile container; keep refrigerated. Collect specimen prior to antibiotic administration.	1–4 days	**2625**	**$105.50**
Diarrhea RealPCR Panel (Comprehensive)–Feline *Campylobacter coli, Campylobacter jejuni, Clostridium perfringens* alpha toxin (CPA) gene Quant, Clostridium perfringens enterotoxin (CPE) gene Quant, *Cryptosporidium* spp., feline coronavirus (FeCoV), feline panleukopenia virus, *Giardia* spp., *Salmonella* spp., *Toxoplasma gondii*, and *Tritrichomonas blagburni* (formerly foetus) RealPCR™ tests. Includes quantification of *Clostridium perfringens enterotoxin* (CPA and CPE) genes if PCR positive.	5 g (1 g minimum) fresh feces in a sterile container; keep refrigerated. Collect specimen prior to antibiotic administration.	1–4 days	**2627**	**$105.50**
***Giardia* spp. RealPCR™ Test**–Mammals	5 g fresh feces (1 g minimum) in a sterile container	1–4 days	**2631**	**$60.75**
Respiratory Disease (CRD) RealPCR™ Panel (Comprehensive)–Canine *Bordetella bronchiseptica*, canine adenovirus type 2, canine distemper virus (CDV) Quant, canine herpesvirus (CHV-1), canine parainfluenza virus, canine pneumovirus, canine respiratory coronavirus (CRCoV), H3N2 canine influenza virus, influenza A virus (includes H1N1, H3N2, H3N8, H7N2), *Mycoplasma cynos* and *Streptococcus equi* subsp. zooepidemicus RealPCR™ tests. Includes quantification of distemper viral particles if PCR positive. Includes strain identification of influenza A if PCR positive.	Deep pharyngeal swab (with visible organic material on swab; please rub firmly) and a conjunctival swab (wipe eye clean, swab inside of eyelid), in the same tube. Please submit dry plastic-stemmed swabs, without transport media, in an RTT or an empty, sterile tube; keep refrigerated. Collect specimens prior to antibiotic administration.	1-4 days	**2524**	**$112.00**
Tick/Vector Comprehensive RealPCR™ Panel–Canine Anaplasma spp., Babesia spp., Bartonella spp., Canine Hemotropic Mycoplasma, Ehrlichia spp., Hepatozoon spp., Leishmania spp. Quant, Neorickettsia risticii, and Rocky Mountain spotted fever (Rickettsia rickettsii) RealPCR™ tests. Includes quantification of Leishmania if PCR positive.	2 mL EDTA whole blood (LTT); keep refrigerated. Collect specimen prior to antibiotic administration.	1–3 days	**2870**	**$102.00**

Additional RealPCR Tests

Anaplasma spp.	*Coccidioides* spp.	*Haemobartonella*
Babesia spp.	*Cryptococcus* spp.	*Hepatozoon* spp.
Bartonella spp.	*Cryptosporidium* spp.	*Histoplasma capsulatum*
Bordetella bronchiseptica	*Cytauxzoon felis*	*Lawsonia intracellularis*
Borellia spp. (Lyme disease)	Distemper Virus (CDV)—Canine	*Leishmania* spp.
Blastomyces dematitidis	*Echinococcus* spp.	*Leptospira* spp.
Brucella canis	*Ehrlichia* spp.	*Mycoplasma cynos*
Campylobacter coli	Equine Protozoal Myeloencephalitis (EPM)	*Mycoplasma felis*
Campylobacter jejuni	Equine Arteritis Virus (EAV)	*Neorickettsia risticii*
Canine Adenovirus Type 2	Equine Coronavirus	*Neospora* spp.
Canine Enteric Coronavirus (CECoV)	Equine Herpesvirus	Parvovirus 2 (CPV-2)–Canine
Canine Hemotropic Mycoplasma	Equine Influenza Virus (EIV/H3N8)	*Rhodococcus equi*
Canine Herpesvirus Type 1 (CHV-1)	Equine Rotavirus	*Rickettsia rickettsii*
Canine Influenza Virus (H3N8)	Feline Calicivirus	Rotavirus
Canine Parainfluenza Virus	Feline Coronavirus (FCoV)	*Salmonella* spp.
Canine Respiratory Coronavirus (CRCoV)	Feline Hemotropic Mycoplasma	*Streptococcus equi*
Chlamydophila felis	Feline Herpesvirus Type 1 (FHV-1)	*Streptococcus equi* subsp. zooepidemicus
Clostridium difficile Toxin A Gene	Feline Panleukopenia Virus	*Toxoplasma gondii*
Clostridium difficile Toxin B Gene	FeLV	*Tritrichomonas foetus*
Clostridium perfringens Enterotoxin A (CPEA)	FIV	West Nile Virus
Clostridium perfringens Enterotoxin (CPE)	*Giardia* spp.	

We offer additional PCR tests not listed, please contact the Client Support Services team if you do not see a specific test listed.

Send-Out Testing

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

To achieve the IDEXX BioAnalytics' goal of supplying the best results possible, we contract some additional testing out to other external laboratory resources. IDEXX BioAnalytics will continue to support any in-house testing, while managing the send-out tests needed for your research work as well, by providing a single contact to simplify your lab testing needs.

Coagulation

Test name and components	Specimen requirements	Test code	Price
D-dimer–Non-rodent	0.5 mL frozen citrated plasma	**62235**	**$60.25**
D-dimer–Rodent	0.5 mL frozen citrated plasma	**62236**	**$104.25**
Factor VII Activity	2 mL citrated plasma	**62380**	**$63.50**
Factor V Activity	2 mL citrated plasma	**62385**	**$63.50**
Factor X Activity	2 mL citrated plasma	**62382**	**$63.50**
Factor VIII Activity	2 mL citrated plasma	**Call**	**$63.50**
Factor XII Activity	2 mL citrated plasma	**Call**	**$63.50**
Factor XIII Activity	2 mL citrated plasma	**Call**	**$96.75**
Thrombin	0.5 mL frozen citrated plasma	**Call**	**$32.50**
von Willebrand Factor (vWF;Ag) –Canine, Feline, Equine	1 mL frozen citrated plasma or EDTA plasma	**Call**	**$59.00**
von Willebrand Factor (vWF;Ag) –Large animals, Exotics, Rodents	1 mL frozen citrated plasma or EDTA plasma	**Call**	**$73.00**
Antithrombin	NHP–1 mL frozen citrated plasma (ship on dry ice)	**Call**	**$64.50**
Antithrombin-Thrombin Complex	NHP–1.5 mL frozen citrated plasma (ship on dry ice). Minimum 15 samples	**Call**	**$111.75**
Fibrin Degradation Products (FDP)	1 mL frozen citrated plasma	**6323**	**$72.00**

Endocrinology

Test name and components	Specimen requirements	Test code	Price
IGF-1	1 mL serum	**Call**	**$105.25**
Insulin	1 mL frozen serum	**62230**	**$42.00**
Troponin I	0.5 mL serum or plasma	**62714**	**$70.00**
Cortisol- NHP, Rodents, Cattle, FBS accepted	1 mL serum or plasma	**62231**	**$36.50**
T3, Total Immulite- all other species	1.5 mL serum or heparinized plasma	**62232**	**$37.75**
Testosterone by RIA	0.15 mL serum	**62233**	**$42.00**

Other

Test name and components	Specimen requirements	Test code	Price
Iron Panel	2 mL frozen serum	**62229**	**$43.00**
Immunoglobulins, Quantitative IgG, IgM, IgA–Canine	1 mL serum	**62298**	**$128.75**
Minerals, fixed tissue	50 mg liver or tissue	**62632**	**$80.50**
Tacrolimus	3 mL EDTA whole blood	**Call**	**$187.75**

IDEXX BIOANALYTICS

Getting Started

Sample collection kit request

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Check out IDEXX BioAnalytics' **Welcome Portal**. Here you will find even more detailed information on how to start collecting and submitting samples, and request access to our client portal.

You can also reach out to our Client Support Service team and/or set a meeting with your local account manager. This is a great first step in partnering with IDEXX BioAnalytics.

Your Account Manager will:

- Assist with quote proposals and pricing
- Provide ongoing staff training and support
- Keep you up-to-date on new products, services or industry trends

Support

Our Client Support Services (CSS) team is available to answer phone calls and emails Monday through Friday from 8a.m – 8p.m. Eastern. They can be reached at:

Client Support Services
1-800-669-0825
IDEXXBioAnalytics@IDEXX.com

The CSS team can help you with:

- Account setup and sample submission
- Checking the status of a current submission
- Billing inquiries
- Requesting collection supplies
- And any other questions regarding our services

Clinical Trial Support

IDEXX BioAnalytics is uniquely equipped to support your Good Clinical Practices (GCP) veterinary clinical trials according to VICH/GL9 Guidelines. With dedicated project managers, an experienced quality assurance unit (QAU), and detailed laboratory staff, we can help you gather the data needed and support your sites. Ask your account manager for more details.

Supplies

IDEXX BioAnalytics can provide sampling, packing and shipping supplies. You can send a request for supplies to CSS or order right from our Welcome Portal.

IDEXX BIOANALYTICS

Getting Started

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Submission Process

If you're ready to submit, you can fill out the **New Client Registration form** on our website. This will provide all the information needed to the CSS to get your account set up and an automated email with your client login information.

After receiving your login credentials, you'll be able to set up your submission paperwork **online**. Please see our website tutorials for how the system works. After you've completed the submission, please place a copy of the submission confirmation in your shipping container. This helps expedite the sample check-in process and assures that your samples can be immediately moved to the lab to begin processing.

Results Delivery Options

Proper specimen labeling is critical

- Proper labeling helps ensure accuracy in testing.
- Always label tubes, smears, specimen jars, etc., with the animal ID, study ID and collection date. Label all cytology slides with the animal ID and the site.
- Do not cover the entire specimen tube with a label, as this will prevent the technologist from assessing color and clarity of the specimen.
- Split-off tubes must be labeled appropriately (e.g., "plasma" with anticoagulant used, "serum").
- Always submit the submission form or a copy of your online submission packing list.
- It is strongly recommended that you submit your samples in sample boxes with the samples ordered as reflected on the submission form.

Final preparation of samples for shipping and delivery

Your samples should be in zip lock bags or sample boxes and inside a box or shipping container, packed with filler material to prevent samples from being jostled in transit. The submission confirmation form should be inside the container. Samples should be on gel packs or dry ice depending upon specific needs; no wet ice please. Hematology, urinalysis or microbiology samples should not sit directly on gel packs.

Shipping

Depending on your needs and location, you can either ship with FedEx or with an IDEXX courier.

FedEx shipping

For clients in areas where couriers are not available or FedEx is preferred, IDEXX BioAnalytics can supply complimentary shipping of samples to our laboratory locations. Please contact FedEx for pick-up service specifics and proper shipping and transport packaging for your area at 1-800-GOFEDEX.

Label the outside of all boxes with the following:

To IDEXX BioAnalytics
From (Your Company Name)
Study ID #

Courier pick-up & shipping

Depending on your location, IDEXX BioAnalytics may provide courier services in your area. For more details or to find out if your location is serviced by a courier, please contact the Client Support Service team at 1-800-669-0825 or **idexxbioanalytics@idexx.com**

Do not send specimens for Laboratory Animal Diagnostics or Biological Materials testing to the Research Reference Lab locations. For Laboratory Animal Diagnostics or Biological Materials testing specimen shipping information, please contact the CSS team.

IDEXX BIOANALYTICS

Getting Started

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Results Delivery Options

We provide results by email and our turnaround time (TAT) is 24-48 hours after receipt of samples for standard submissions. Additionally, results may be accessed through our secure online client portal. We offer multiple, easy to use reporting options to best suit your needs.

PDF, Excel, and csv formats available

Please let the CSS team know before your samples arrive if you would like Excel or csv files in addition to the PDFs. For special formatting requests such as display order of analytes, etc., please indicate in the general instructions section of submission form or contact Client Support Services prior to sample submission.

Individual sample or multi-sample reports

On the IDEXX submission form or online submission portal, there is an option to have your reports grouped in two different ways. We are able to provide a single PDF file containing all sample results or individual PDFs per animal.

Preliminary reports or final only reports

This setting is linked to the submitter account. To have adjustments made, please contact CSS. This is not an account setting typically adjusted per submission.

Preliminary reports: A preliminary PDF will be sent when EACH testing section (chemistry, hematology, coagulation, etc.) is completed. Once all sections are completed, a final PDF with any accompanying excel or csv files will be delivered by email.

For example, if you order chemistry, hematology, and urinalysis services on a single submission, you will receive at least 4 emails.

This option is best suited for clients who order a combination of tests that have short and long turnaround times; like a chemistry panel and send-out testing or hematology and microbiology.

Final reports only: Final PDFs are emailed when all testing on an accession is completed.

The CSS team can assist with any adjustments to your result distribution preferences.

IDEXX BIOANALYTICS

North America Lab Locations

Research Clinical Pathology Lab Services

North Grafton, MA
IDEXX BioAnalytics
3 Centennial Drive
North Grafton, MA 01536

West Sacramento, CA
IDEXX BioAnalytics
2825 KOVR Drive
West Sacramento, CA 95605

Animal Health Monitoring, Biological Materials Testing, and Histology and Anatomic Pathology Lab Services

Columbia, MO
IDEXX BioAnalytics
4011 Discovery Drive
Columbia, MO 65201

Customer Service

1-800-669-0825
idexxbioanalytics@idexx.com
Monday–Friday
8:00 am–8:00 pm ET

IDEXX BIOANALYTICS

Europe Lab Locations

Animal Health Monitoring, Biological Materials Testing, Histology Lab Services, and Research Pathology Lab Services

Visiting Address
IDEXX GmbH
IDEXX BioAnalytics
Humboldtstraße 2
D-70806 Kornwestheim
Germany

Delivery Address
IDEXX GmbH
IDEXX BioAnalytics
Im Moldengraben 65
D-70806 Kornwestheim
Germany

Customer Service

Austria	+49 (0) 7154 17 50 585	**Netherlands**	+31 (0) 2355 87 585
Czech Republic	+49 (0) 7154 17 50 585	**Norway**	+44 (0) 193 75 44 023
Denmark	+44 (0) 193 75 44 023	**Poland**	+49 (0) 7154 17 50 585
Finland	+44 (0) 193 75 44 023	**Portugal**	+34 (0) 9326 72 813
France	+33 (0) 1492 18 346	**Spain**	+34 (0) 9326 72 813
Germany	+49 (0) 7154 17 50 585	**Sweden**	+44 (0) 193 75 44 023
Ireland	+44 (0) 193 75 44 023	**Switzerland**	+41 (0) 319 70 6270
Israel	+33 (0) 1492 18 346	**UK**	+44 (0) 193 75 44 023
Italy	+34 (0) 9326 72 813	**Other**	+49 (0) 7154 17 50 585

idexxbioanalytics-europe@idexx.com
Monday–Friday
8:30 am–16:00 pm CET

QUICK JUMP TO
→ Table of Contents

Animal Health Monitoring

QUICK JUMP TO

→ Quick Reference

→ In-Depth Testing information (Listing of Profiles & Pricing)

→ Resources

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Aquatics Health Monitoring

Testing Panels	Species	Method	Price	Page
Axolotl				
Axolotl Comprehensive PCR Panel	Axolotl	real-time PCR	**$217.25**	45
Axolotl Essential PCR Panel	Axolotl	real-time PCR	**$149.50**	45
Axolotl Microbiology Panel	Axolotl	culture	**$150.50**	45
Xenopus				
Xenopus Comprehensive PCR Panel	Xenopus	real-time PCR	**$203.00**	45
Xenopus Essential PCR Panel	Xenopus	real-time PCR	**$149.50**	45
Xenopus Microbiology Panel	Xenopus	culture	**$100.50**	45
Zebrafish				
Zebrafish Comprehensive PCR Panel	Zebrafish	real-time PCR	**$372.00**	44
Zebrafish Essential PCR Panel	Zebrafish	real-time PCR	**$284.00**	44
Zebrafish Mycobacterium PCR Panel	Zebrafish	real-time PCR	**$203.00**	44
Zebrafish Microbiology Panel	Zebrafish	culture	**$130.50**	44
Pathology Service				
Zebrafish Pathology Service.	Zebrafish		**$99.25**	44
Small Fish Pathology Service: 0-6 cm (Medaka)†			**$99.25**	44
Medium Fish Pathology Service: 7-13 cm (Bettas, Cavefish, Goldfish, Killifish)†			**Call**	44
Large Fish Pathology Service: over 13 cm (Carp, large Goldfish, and others)†			**Call**	44

Individual Agents	Microbiology / Parasitology	Molecular Diagnostic	Page
Bacteria / Fungi			
Aeromonas dhakensis	culture		44
Aeromonas hydrophila	culture	real-time PCR	44
Batrachochytrium dendrobatidis		real-time PCR	45
Batrachochytrium salamandrivorans		real-time PCR	45
Edwardsiella ictaluri	culture	real-time PCR	44
Elizabethkingia meningoseptica	culture		45
Flavobacterium columnare	culture	real-time PCR	44
Ichthyophthirius multifiliis		real-time PCR	44
Mycobacterium abscessus		real-time PCR	44
Mycobacterium chelonae		real-time PCR	44
Mycobacterium fortuitum		real-time PCR	44
Mycobacterium gordonae		real-time PCR	44
Mycobacterium haemophilum		real-time PCR	44
Mycobacterium marinum		real-time PCR	44
Mycobacterium peregrinum		real-time PCR	44
Mycobacterium saopaulense		real-time PCR	44
Mycobacterium ulcerans/liflandii NEW		real-time PCR	45
Myxidium streisingeri		real-time PCR	44
Piscinoodinium pillulare		real-time PCR	44
Pleistophora hyphessobryconis		real-time PCR	44
Plesiomonas shigelloides	culture		44
Plumatella spp. / Bryozonas NEW		real-time PCR	44
Pseudocapillaria tomentosa		real-time PCR	44
Pseudocapillaroides xenopi		real-time PCR	44
Pseudoloma neurophilia	culture	real-time PCR	44
Pseudomonas aeruginosa	culture		44
Pseudomonas fluorescens	culture		45
Salmonella enterica	culture	real-time PCR	45
Salmonella spp.	culture	real-time PCR	45
Saprolegnia brachidanis NEW		real-time PCR	45
Saprolegnia spp.	culture		45
Serratia marcrescens	culture		45
Parasites			
Chilomastix spp.		real-time PCR	45
Cryptosporidium spp.		real-time PCR	45
Viruses			
Infectious spleen and kidney necrosis virus (ISKNV)		real-time PCR	44
Ranavirus spp.		real-time PCR	45
Red spotted grouper nervous necrosis virus (RGNNV) NEW		real-time PCR	44
Zebrafish Picornavirus (ZfPV1)		real-time PCR	44

† Colonies only

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

NHP Health Monitoring

Testing Panels	Species	Method	Price	Page
Non Human Primates				
Real-time PCR Panels				
Enteric Basic PCR Panel		real-time PCR	**$232.75**	47
Enteric Comprehensive PCR Panel		real-time PCR	**$435.00**	47
Helicobacter PCR Panel		real-time PCR	**$139.75**	47
Microbiology Services				
Enteric Primary Microbiology Panel		culture	**$145.25**	47
Enteric Basic Microbiology Panel		culture	**$204.75**	47
Enteric Comprehensive Microbiology Panel		culture	**$294.50**	47
Parasitology Services				
Fecal Ova and Parasite		Sedimentation	**$46.25**	47
Fecal Ova and Parasites with Giardia spp. PCR		Sedimentation + PCR	**Call**	47
Fecal Ova and Parasites with Entamoeba histolytica PCR		Sedimentation + PCR	**Call**	47
Fecal Ova and Parasites with Cryptosporidium PCR		Sedimentation + PCR	**Call**	47

Individual Agents	Microbiology / Parasitology	Molecular Diagnostic	Page
Bacteria / Fungi			
Aeromonas hydrophila	culture		47
Arcobacter butzleri	culture		47
Campylobacter coli	culture	real-time PCR	47
Campylobacter jejuni	culture	real-time PCR	47
Clostridium difficile toxin A		real-time PCR	47
Clostridium difficile toxin B		real-time PCR	47
Clostridium perfringens	culture		47
Clostridium perfringens alpha toxin		real-time PCR	47
Clostridium perfringens enterotoxin		real-time PCR	47
Clostridium piliforme		real-time PCR	47
Edwardsiella tarda	culture		47
Helicobacter spp., *H.cinaedi/canicola, H.macacae, H.pylori, H.suis*		real-time PCR	47
Lawsonia intracellularis		real-time PCR	47
Plesiomonas shigelloides	culture		47
Salmonella spp.	culture	real-time PCR	47
Salmonella enterica	culture		47
Shigella spp.	culture	real-time PCR	47
Yersinia enterocolitica	culture	real-time PCR	47
Yersinia pseudotuberculosis	culture	real-time PCR	47
Parasites			
Cryptosporidium spp.		real-time PCR	47
Entamoeba histolytica/nuttalli		real-time PCR	47
Giardia spp.		real-time PCR	47

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Rodents & Rabbit Health Monitoring

Testing Panels	Species	Method	Price	Page
Mouse				
Mouse Serology Panels				
Parvovirus Serology	Mouse	MFI	**$24.00**	49
Primary / Prevalent Serology	Mouse	MFI	**$48.00**	49
Clinical Serology	Mouse	MFI	**$57.50**	49
Basic Serology	Mouse	MFI	**$85.75**	49
Comprehensive Serology	Mouse	MFI	**$106.25**	49
Comprehensive Plus Serology	Mouse	MFI	**$134.25**	49
Global Serology	Mouse	MFI	**$163.75**	49
FELASA Quarterly Serology	Mouse	MFI	**$48.00**	49
FELASA Annual Serology	Mouse	MFI	**$106.25**	49
Mouse Health Monitoring				
Mouse Advantage Prevalent	Mouse	MFI + real-time PCR	**$115.00**	50
Mouse Advantage Basic	Mouse	MFI + real-time PCR	**$193.00**	50
Mouse Advantage Comprehensive	Mouse	MFI + real-time PCR	**$349.00**	50
Mouse Advantage Comprehensive Plus	Mouse	MFI + real-time PCR	**$456.00**	50
Mouse Advantage Global	Mouse	MFI + real-time PCR	**$550.25**	50
Mouse FELASA Quarterly	Mouse	MFI + real-time PCR	**$435.50**	50
Mouse FELASA Annual	Mouse	MFI + real-time PCR	**$494.00**	50
Mouse Quarantine Testing				
Mouse Advantage Q-Prevalent	Mouse	MFI + real-time PCR	**$247.00**	51
Mouse Advantage Q-Basic	Mouse	MFI + real-time PCR	**$314.25**	51
Mouse Advantage Q-Comprehensive	Mouse	MFI + real-time PCR	**$500.50**	51
Mouse Advantage Q-Global	Mouse	MFI + real-time PCR	**$637.75**	51
Mouse PCR ONLY Testing				
Mouse Opti-XXpress / EDx Prevalent	Mouse	real-time PCR	**$232.75**	51
Mouse Opti-XXpress / EDx Basic	Mouse	real-time PCR	**$294.50**	51
Mouse Opti-XXpress / EDx Comprehensive	Mouse	real-time PCR	**$394.00**	51
Mouse Opti-XXpress / EDx Global	Mouse	real-time PCR	**$626.50**	51

Testing Panels	Species	Method	Price	Page
Mouse Necropsy Profiles				
Mouse Immunocompromised	Mouse		**$246.75**	67
Mouse Primary	Mouse		**$121.25**	67
Mouse Clinical	Mouse		**$133.25**	67
Mouse Basic	Mouse		**$161.25**	67
Mouse Comprehensive	Mouse		**$180.75**	67
Mouse Comprehensive Plus	Mouse		**$210.25**	67
Mouse Global	Mouse		**$238.25**	67
Mouse specific agents				
Individual Serology Assay	Mouse	MFI	**$13.75**	61
Individual Serology Assay added to existing Serology profile	Mouse	MFI	**$8.25**	61
Individual PCR Assay	Mouse	real-time PCR	**$84.50**	63
Individual PCR Assay added to existing PCR profile	Mouse	real-time PCR	**$44.50**	63
Rat				
Rat Serology Panels				
Parvovirus Serology	Rat	MFI	**$31.50**	52
Primary / Prevalent Serology	Rat	MFI	**$54.25**	52
Clinical Serology	Rat	MFI	**$71.50**	52
Basic Serology	Rat	MFI	**$85.75**	52
Comprehensive Serology	Rat	MFI	**$121.25**	52
Global Serology	Rat	MFI	**$141.75**	52
FELASA Quarterly Serology	Rat	MFI	**$63.25**	52
FELASA Annual Serology	Rat	MFI	**$112.75**	52
Rat Health Monitoring				
Rat Advantage Prevalent	Rat	MFI + real-time PCR	**$115.00**	53
Rat Advantage Basic	Rat	MFI + real-time PCR	**$193.00**	53
Rat Advantage Comprehensive	Rat	MFI + real-time PCR	**$394.50**	53
Rat Advantage Global	Rat	MFI + real-time PCR	**$531.75**	53
Rat FELASA Quarterly	Rat	MFI + real-time PCR	**$435.50**	53
Rat FELASA Annual	Rat	MFI + real-time PCR	**$467.50**	53

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Testing Panels	Species	Method	Price	Page
Rat Quarantine Testing				
Rat Advantage Q-Prevalent	Rat	MFI + real-time PCR	**$226.25**	54
Rat Advantage Q-Basic	Rat	MFI + real-time PCR	**$283.75**	54
Rat Advantage Q-Comprehensive	Rat	MFI + real-time PCR	**$485.00**	54
Rat Advantage Q-Global	Rat	MFI + real-time PCR	**$684.25**	54
Rat PCR ONLY Testing				
Rat Opti-XXpress / EDx Prevalent	Rat	real-time PCR	**$232.75**	54
Rat Opti-XXpress / EDx Basic	Rat	real-time PCR	**$294.50**	54
Rat Opti-XXpress / EDx Comprehensive	Rat	real-time PCR	**$394.00**	54
Rat Opti-XXpress / EDx Global	Rat	real-time PCR	**$568.00**	54
Rat Necropsy Profiles				
Rat Immunocompromised	Rat		**$239.25**	68
Rat Primary	Rat		**$127.75**	68
Rat Clinical	Rat		**$146.25**	68
Rat Basic	Rat		**$160.25**	68
Rat Comprehensive	Rat		**$196.00**	68
Rat Global	Rat		**$209.00**	68
Rat specific agents				
Individual Serology Assay	Rat	MFI	**$13.75**	61
Individual Serology Assay added to existing Serology profile	Rat	MFI	**$8.25**	61
Individual PCR Assay	Rat	real-time PCR	**$84.50**	63
Individual PCR Assay added to existing PCR profile	Rat	real-time PCR	**$44.50**	63
Guinea Pig				
Guinea Pig Serology Panels				
Clinical Serology	Guinea Pig	MFI	**$60.50**	57
Comprehensive Serology	Guinea Pig	MFI	**$ 88.50**	57
Hamster				
Hamster Serology Panels				
Basic Serology	Hamster	MFI	**$29.25**	58
Comprehensive Serology	Hamster	MFI	**$68.25**	58

Testing Panels	Species	Method	Price	Page
Rabbit				
Rabbit Serology Panels				
Comprehensive Serology	Rabbit	MFI	**$63.75**	59
Other Rodents PCR Panels				
Fecal A Mouse PCR		real-time PCR	**$172.25**	55
Fecal B Mouse PCR		real-time PCR	**$189.50**	55
Fecal C Mouse PCR		real-time PCR	**$437.25**	55
Fecal Rat PCR		real-time PCR	**$191.75**	55
Parvovirus Mouse PCR		real-time PCR	**$112.75**	55
Parvovirus Plus Mouse PCR		real-time PCR	**$123.50**	55
Parvovirus Rat PCR		real-time PCR	**$123.50**	55
Helicobacter PCR		real-time PCR	**$123.50**	56
Pinworm / Fur Mites PCR		real-time PCR	**$112.75**	56
Pinworm / Fur Mites / Helicobacter PCR		real-time PCR	**$126.75**	56
Protozoa PCR		real-time PCR	**$123.50**	56
Skin PCR		real-time PCR	**$174.25**	56
Dermatophytes PCR		real-time PCR	**$84.50**	56
Opportunistic Bacteria Mouse PCR		real-time PCR	**$179.00**	56
Opportunistic Bacteria Rat PCR		real-time PCR	**$179.00**	56
Parasites PCR		real-time PCR	**$174.25**	55
Primary PCR		real-time PCR	**$174.25**	55

Rodents & Rabbit Additional Testing Services

Testing Panels	Price	Page
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) PCR Panel	**$86.75**	55

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Testing Panels	Species	Method	Price	Page
Microbiology Testing - General			**See section**	70
Microbiology Testing - Water			**See section**	70
Microbiology Testing - Environmental			**See section**	71
Diagnostic Pathology Services			**Call**	72
Altered Schaedler Flora Bacteria Detection			**$177.75**	72
Germ-Free Animal Monitoring			**$249.00**	73
Microbiome Analysis			**$456.00**	73

Individual Agents	Serology	Microbiology / Parasitology	Molecular Diagnostic	Page
Bacteria / Fungi				
Bordetella bronchiseptica		Culture	real-time PCR	63
Bordetella hinzii/pseudohinzii		Culture	real-time PCR	63
Burkholderia gladioli		Culture	real-time PCR	63
Cilia-associated respiratory *bacillus* (CAR) / *Filobacterium rodentium*	MFI		real-time PCR	63
Citrobacter rodentium		Culture	real-time PCR	63
Clostridium piliforme (Tyzzer's disease)	MFI		real-time PCR	64
Corynebacterium bovis		Culture	real-time PCR	64
Corynebacterium spp. (HAC2)		Culture	real-time PCR	64
Corynebacterium kutscheri		Culture	real-time PCR	64
Dermatophytes *(Microsporum* sp., *Trichophyton* spp.*)*		Culture	real-time PCR	64
Encephalitozoon cuniculi	MFI		real-time PCR	64
Helicobacter spp., *H.bilis, H.diminuta, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*			real-time PCR	64
Klebsiella oxytoca		Culture	real-time PCR	64
Klebsiella pneumoniae		Culture	real-time PCR	64
Leptospira spp.	MFI		real-time PCR	64
Mycoplasma pulmonis	MFI		real-time PCR	64
Pasteurella pneumotropica Biotype Heyl & Jawetz *(Rodentibacter heylii, Rodentibacter pneumotropicus)*		Culture	real-time PCR	64
Pasteurella multocida		Culture	real-time PCR	64
Pneumocystis spp.			real-time PCR	64
Pneumocystis carinii	MFI		real-time PCR	64
Pneumocystis murina	MFI		real-time PCR	64
Proteus mirabilis		Culture	real-time PCR	64
Pseudomonas aeruginosa		Culture	real-time PCR	64
Salmonella enterica		Culture	real-time PCR	64
Staphylococcus aureus		Culture	real-time PCR	64
Staphylococcus xylosus		Culture	real-time PCR	64

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Individual Agents	Serology	Microbiology / Parasitology	Molecular Diagnostic	Page
Streptobacillus moniliformis			real-time PCR	64
Streptococcus, β-hemolytic		Culture	real-time PCR	64
Streptococcus pyogenes (Group A)		Culture	real-time PCR	64
Streptococcus agalactiae (Group B)		Culture	real-time PCR	64
Streptococcus equi subsp. zooepidemicus (Group C)		Culture	real-time PCR	64
Streptococcus canis (Group G)		Culture	real-time PCR	64
Streptococcus pneumoniae		Culture	real-time PCR	64
Treponema paraluiscuniculi			real-time PCR	64
Parasites				
Aspiculuris tetraptera		direct examination	real-time PCR	64
Chilomastix spp.		direct examination	real-time PCR	64
Cryptosporidium muris		direct examination	real-time PCR	64
Cryptosporisium parvum		direct examination	real-time PCR	64
Cryptosporidium spp.		direct examination	real-time PCR	64
Demodex musculi		direct examination	real-time PCR	64
Eimeria spp.		direct examination	real-time PCR	64
Entamoeba muris		direct examination	real-time PCR	64
Giardia muris		direct examination	real-time PCR	64
Hymenolepis diminuta		direct examination	real-time PCR	64
Myobia musculi		direct examination	real-time PCR	64
Myocoptes musculinus		direct examination	real-time PCR	64
Ornithonyssus spp.		direct examination	real-time PCR	64
Radfordia affinis		direct examination	real-time PCR	64
Radfordia ensifera		direct examination	real-time PCR	64
Rodentolepis nana		direct examination	real-time PCR	64
Spironucleus muris		direct examination	real-time PCR	64
Syphacia muris		direct examination	real-time PCR	64
Syphacia obvelata		direct examination	real-time PCR	64
Tritrichomonas muris		direct examination	real-time PCR	64
Viruses				
Boone cardiovirus (BCV)	MFI		real-time PCR	63
Ectromelia virus (mouse poxvirus)	MFI		real-time PCR	63
Guinea pig adenovirus (GPAV)	MFI		real-time PCR	63
Guinea pig cytomegalovirus (GPCMV)	MFI		real-time PCR	63
Hamster parvovirus (HaPV)	MFI		real-time PCR	63
Hamster polyomavirus	MFI		real-time PCR	63
Hantaviruses (Hantaan, Seoul, Sin Nombre)	MFI		real-time PCR	63
Infectious diarrhea of infant rats (IDIR)	MFI		real-time PCR	63
K virus (Mouse pneumotropic virus)	MFI		real-time PCR	63
Kilham's rat virus (KRV)	MFI		real-time PCR	63
Lactate dehydrogenase-elevating virus (LDEV)	MFI		real-time PCR	63
Lymphocytic choriomeningitis virus (LCMV)	MFI		real-time PCR	63
Mouse minute virus (MMV)	MFI		real-time PCR	63
Mouse adenovirus 1 (MAV1) (FL)	MFI		real-time PCR	63
Mouse adenovirus 2 (MAV2) (K87)	MFI		real-time PCR	63
Mouse cytomegalovirus (MCMV)	MFI		real-time PCR	63
Mouse hepatitis virus (MHV)	MFI		real-time PCR	63
Mouse kidney parvovirus (MKPV)	MFI		real-time PCR	63
Mouse parvovirus (MPV1-5)	MFI		real-time PCR	63
Mouse rotavirus (MRV/EDIM)	MFI		real-time PCR	63
Mouse thymic virus (MTV)	MFI		real-time PCR	63
Murine astrovirus 1 (MuAstV1)	MFI		real-time PCR	63
Murine norovirus (MNV)	MFI		real-time PCR	63
Murine polyomavirus	MFI		real-time PCR	63
Parainfluenza virus 3 (PI3)	MFI		real-time PCR	63
Pneumonia virus of mice (PVM)	MFI		real-time PCR	63
Rabbit hemorrhagic disease virus (RHDV)	ELISA		real-time PCR	63
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	MFI		real-time PCR	63
Rat cytomegalovirus (RCMV)	MFI		real-time PCR	63
Rat minute virus (RMV)	MFI		real-time PCR	63

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Individual Agents	Serology	Microbiology / Parasitology	Molecular Diagnostic	Page
Rat parvovirus (RPV)	MFI		real-time PCR	63
Rat polyomavirus 2 (RPyV2)	MFI		real-time PCR	63
Rat rotavirus (IDIR)	MFI		real-time PCR	63
Rat theilovirus (RTV)	MFI		real-time PCR	63
Reovirus 3 (REO3)	MFI		real-time PCR	63
Rotavirus group A (ROTA)	MFI		real-time PCR	63
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV 2)	MFI		real-time PCR	63
Sendai virus (SEND)	MFI		real-time PCR	63
Seoul virus	MFI		real-time PCR	63
Simian virus 5 (SV5)	MFI			63
Sin Nombre virus	MFI		real-time PCR	63
Theiler's murine encephalomyelitis virus (TMEV)	MFI		real-time PCR	63
Toolan's H-1 virus (H-1)	MFI		real-time PCR	63

Aquatics Health Monitoring

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

IDEXX BioAnalytics, as a recognized leader and industry expert for aquatic diagnostics, has developed a comprehensive array of diagnostic products and services expressly for research zebrafish and other aquatic species.

Agent that causes damage to aquatic systems

Bryozoans can become a nuisance in water pipes and holding tanks. They are prolific growers in the right conditions. Excessive growth can potentially cause pipe or filter blockages that may pose a risk to aquariums and research.

Test Name	Sample Type	Price
Plumatellidae NEW	**E**	TBD

Zebrafish real-time PCR Panels

	Preferred sample type(s)	Mycobacterium	Essential	Comprehensive
Price		**$203.00**	**$284.00**	**$372.00**
Mycobacterium abscessus	WF, E	•	•	•
Mycobacterium chelonae	WF, E	•	•	•
Mycobacterium fortuitum	WF, E	•	•	•
Mycobacterium haemophilum	WF, E	•	•	•
Mycobacterium marinum	WF, E	•	•	•
Mycobacterium peregrinum	WF, E	•	•	•
Mycobacterium saopaulense	WF, E	•	•	•
Mycobacterium gordonae	WF, E	•	•	•
Edwardsiella ictaluri	WF, E		•	•
Pseudocapillaria tomentosa	WF, E		•	•
Pseudoloma neurophilia	WF		•	•
Flavobacterium columnare	WF, E			•
Ichthyophthirius multifiliis	WF			•
Infectious spleen and kidney necrosis virus (ISKNV)	WF			•
Piscinoodinium pillulare	WF			•
Pleistophora hyphessobryconis	WF			•
Myxidium streisingeri	WF, E		•	•
Zebrafish picornavirus (ZfPV1)	WF, F		•	•

Zebrafish Microbiology Panel

	Preferred sample type(s)	
Price		**$130.50**
Aeromonas dhakensis	AS, E, T, WF	•
Aeromonas hydrophilia	AS, E, T, WF	•
Edwardsiella ictaluri	AS, T, WF	•
Flavobacterium columnare	SS, T, WF	•
Plesiomonas shigelloides	AS, E, T, WF	•
Pseudomonas aeruginosa	AS, E, T, WF	•
Pseudomonas fluorescens	AS, E, T, WF	•
Saprolegnia spp.	SS, E, T, WF	•

Fish Pathology Services

Service includes:
Histologic slide preparation, H&E and Acid-Fast stains, pathologist's evaluation and report

Test name and components	Price
Zebrafish pathology	**$99.25**
Small fish pathology: 0–6 cm (Medaka)	**$99.25**
Medium fish pathology: 7–13 cm (Bettas, Cavefish, Goldfish, Killifish)	**Call**
Large fish pathology: over 13 cm (Carp, large Goldfish, and others)	**Call**

Sample Type Legend
AS = Aseptic swab or aseptic stab E = Environmental sample (biofilm, sediment, detritus) F = Feces SS = Skin swab T = Tissue WF = Whole fish

Aquatics Health Monitoring

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Axolotl real-time PCR Panels

	Preferred sample type(s)	Essential	Comprehensive
Price		**$149.50**	**$217.25**
Batrachochytrium dendrobatidis	SS, E	•	•
Mycobacterium chelonae	T, E	•	•
Mycobacterium marinum	T, E	•	•
Ranavirus spp.	T, F	•	•
Salmonella spp.	F	•	•
Batrachochytrium salamandrivorans	SS, E		•
Chilomastix spp.	F		•
Flavobacterium columnare	SS, E		•
Piscinoodinium pillulare	SS		•

Axolotl Microbiology Panel

	Preferred sample type(s)	
Price		**$150.50**
Aeromonas dhakensis	F, AS, SS, T, E	•
Aeromonas hydrophilia	F, AS, SS, T, E	•
Flavobacterium columnare	SS, T, E	•
Pseudomonas aeruginosa	F, E	•
Salmonella enterica	F	•
Saprolegnia spp.	F, SS, T, E	•
Serratia marcescens	F, AS, T, E	•

Xenopus real-time PCR Panels

	Preferred sample type(s)	Essential	Comprehensive
Price		**$149.50**	**$203.00**
Batrachochytrium dendrobatidis	ventral skin swab	•	•
Mycobacterium chelonae	E, swab of lesion, kidney, liver	•	•
Mycobacterium gordonae	E, swab of lesion, kidney, liver	•	•
Mycobacterium marinum	E, swab of lesion, kidney, liver	•	•
Pseudocapillaroides xenopi	dorsal skin swab	•	•
Ranavirus spp.	T, F	•	•
Cryptosporidium spp.	F		•
Pseudomonas aeruginosa	F, swab of lesion		•
Salmonella spp.	F		•

Xenopus Microbiology Panel

	Preferred sample type(s)	
Price		**$100.50**
Aeromonas dhakensis	F, AS, SS, T, E	•
Aeromonas hydrophilia	F, AS, SS, T, E	•
Elisabethkingia meningoseptica	F, AS, SS, T, E	•
Pseudomonas aeruginosa	F, AS, SS, T, E	•
Salmonella enterica	F, E	•
Saprolegnia spp.	F, SS, T, E	•

Pathology Services

Diagnostic histopathology services for Axolotl, Xenopus and other aquatic species are also available. Please contact us for details.

Sample Type Legend
AS = Aseptic swab or aseptic stab E = Environmental sample (biofilm, sediment, detritus) F = Feces SS = Skin swab T = Tissue WF = Whole fish

Aquatics Health Monitoring

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Sample Information

Zebrafish and other laboratory fishes

- For submission of live fish for necropsy: Please ship live fish in clearly labeled heavy-duty plastic bladders or in doubled plastic bags, secured so that they will not leak and containing approximately 1/3 system water and 2/3 air. Fish should be shipped in insulated containers by overnight courier.
- For submission of fish for PCR only: Please submit frozen fish with sufficient ice packs to ensure that fish remain frozen during transit. Dry ice is not required. You can pool up to 5 fish in the same tube to be tested as one sample. We do not recommend pooling fish of different health statuses or across different systems, like quarantine and a main system for example.
- For submission of fish embryos or larvae for PCR: Please euthanize embryos and submit 1 mL frozen on ice packs. Dry ice is not required.
- For submission of fish for histopathology only: Please either submit fish fixed in 10% buffered formalin or another formalin-based fixative such as Dietrich's, Davidson's, or Bouin's fixative (please indicate). To ensure proper fixation, open up the coelom (abdomen). This can be accomplished by making a lengthwise incision through the body wall or by removing a small piece of the body wall. Fish cannot be pooled for histopathology. Samples may be shipped at ambient temperature by overnight courier.
- For submission of fish for both histopathology and PCR from an individual fish: Please submit fish that have been frozen flat in liquid nitrogen or at -80°C. Please package and label each fish individually (e.g., by wrapping each fish flat in aluminum foil), and then place the individually packaged and labeled fish into a larger, rigid plastic container such as a large conical tube. Samples should be shipped on dry ice by overnight courier.

Environmental samples and feeds

- For submission of detritus (biofilm or sediment) for PCR: Please collect 2 mL of detritus into a tube and submit with cold packs. Dry ice is not required. Collection of detritus is recommended over environmental swabs.
- For submission of fish feces for PCR: Please collect a pool of fish feces into a microcentrifuge tube and submit frozen with cold packs. Dry ice is not required.
- For submission of live feed cultures for PCR: Please submit at least 1 mL of live feed cultures (e.g. Artemia, Rotifer, or Paramecium) frozen with cold packs. Dry ice is not required.

Samples for bacterial or fungal culture

- For submission of culture swabs: Please submit culture swabs collected from skin, gills, or lesioned organs in a culturette containing a suitable transport medium, such as Amies Medium. Swabs should be shipped with cold packs in an insulated container by overnight courier.
- For identification of bacterial and fungal cultures by MALDI-TOF mass spectrometry: Please submit cultures on agar plates wrapped in ParafilmTM or submit cultures on culture swabs with a suitable transport medium, such as Amies Medium. Swabs and plates should be shipped with cold packs making sure to provide adequate insulation (e.g. bubble wrap, toweling, etc.) between ice packs and samples to prevent freezing, in an insulated container by overnight courier.
- For culture of water samples: Please submit 100 mL of water in a plastic container with a tight-fitting lid that will not leak in transit. Water samples should be shipped with cold packs in an insulated container by overnight courier.

Turnaround Times

PCR results turnaround is 3 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Culture results turnaround is 10–14 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Diagnostic histopathology results turnaround is 10 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Non-Human Primates Diagnostics

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

The IDEXX BioAnalytics NHP portfolio provides you with deeper insight that can be helpful in determining the most effective course of treatment as well as helping to identify possible sources of infection, with a comprehensive array of PCR, microbiology and parasitology panels to meet your NHP diagnostic needs.

- PCR Enteric Profiles
- Expanded Microbiology Profiles
- Parasitology
- Clinical Chemistries
- Hematology

Enteric real-time PCR Panels

	Preferred sample type(s)	Helicobacter	Basic	Comprehensive
Price		**$139.75**	**$232.75**	**$435.00**
Helicobacter spp. *H.cinaedi/canicola, H.macacae, H.pylori, H.suis*	F	•	•	•
Campylobacter coli	F		•	•
Campylobacter jejuni	F		•	•
Salmonella spp.	F		•	•
Shigella spp.	F		•	•
Yersinia enterocolitica	F		•	•
Yersinia pseudotuberculosis	F		•	•
Clostridium difficile toxin A	F			•
Clostridium difficile toxin B	F			•
Clostridium perfringens alpha toxin	F			•
Clostridium perfringens enterotoxin	F			•
Clostridium piliforme	F			•
Cryptosporidium spp.	F			•
Entamoeba histolytica/nuttalli	F			•
Giardia spp.	F			•
Lawsonia intracellularis	F			•

Sample Type Legend
F = Feces

Enteric Microbiology Panels

	Preferred sample type(s)	Primary	Basic	Comprehensive
Price		**$145.25**	**$204.75**	**$ 294.50**
Campylobacter coli	F	•	•	•
Campylobacter jejuni	F	•	•	•
Salmonella enterica	F	•	•	•
Shigella spp.	F	•	•	•
Yersinia enterocolitica	F	•	•	•
Yersinia pseudotuberculosis	F	•	•	•
Aeromonas hydrophila	F		•	•
Edwardsiella tarda	F		•	•
Plesiomonas shigelloides	F		•	•
Arcobacter butzleri	F			•
Clostridium perfringens	F			•
Clostridium difficile	F			•
Antibiotic sensitivity testing - if positives detected	F		•	•

Parasitology

	Preferred sample type(s)	Price
Price		
Fecal Ova and Parasite	F in SAF	**$46.00**
Fecal Ova and Parasites with *Giardia* spp. PCR	SAF + fresh F	**$86.25**
Fecal Ova and Parasites with *Entamoeba histolytica* PCR	SAF + fresh F	**$86.25**
Fecal Ova and Parasites with *Cryptosporidium* PCR	fresh F	**$86.25**

Non-Human Primates Diagnostics

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Sample Information

Sample Collection – PCR

- Sample Collection: 1 g or 1 mL of feces (approximate size of a marble); Fecal samples for PCR evaluation should be placed in individually labeled sterile polypropylene conical tubes. Alternatively, a Puritan fecal culture swab with liquid Cary-Blair media can be submitted. (Sample collection materials available from IDEXX BioAnalytics.)
- Sample Storage: Fecal samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to ship. For long-term storage, samples should be frozen.
- Sample Shipment: Place labeled sample tubes in insulated shipping box and ship overnight to our laboratory. Samples should be shipped on ice packs. Please include the submission paperwork inside the shipping box.

Sample Collection – Microbiology

- Sample collection: 1 g or 1 mL of feces (approximate size of a marble) or fecal culture swab; Fecal samples for Microbiology should be obtained using a Puritan fecal culture swab with liquid Cary-Blair media (available from IDEXX BioAnalytics). Collect fecal material on the swab and securely place the swab in the transport medium. Alternatively, fecal samples in a conical tube may be submitted for culture.
- Sample Shipment: Please send culture swabs or feces by overnight courier in an insulated container on ice packs, making sure to provide adequate insulation (e.g. bubble wrap, toweling, etc.) between ice packs and samples to prevent freezing. Please include the submission paperwork inside the shipping box.

Sample Collection – PCR and Microbiology Combined Submission

- If submitting a sample for both PCR and microbiology services, follow the directions above for microbiology samples.

Sample Collection for Parasitology

- Sample Collection: Feces for Ova & Parasite: (3–5 g or 3–5 mL of fecal material in SAF)
- Sample Shipment: Submit an additional, separate sample (e.g. one labeled for fecal PCR or Microbiology and one labeled for Parasitology). The sample for parasitology must be submitted in SAF vial. If submitting sample for Microbiology and Ova & Parasite, the SAF vial(s) must be packed in separate box.

Turnaround Times

PCR results turnaround is 3 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Culture results turnaround is 5 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Parasitology results turnaround is 5 business days after receipt of samples. PDF results will be delivered by email and will be available via the secure, online client portal.

Mouse Advantage Health Monitoring

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Performing **microbial screening of rodent colonies** can be optimally achieved either with a **combination of serology and PCR** (ideal for all housing system or to incorporate environmental monitoring in the program) or with a **PCR only** approach (ideal for quarantine screening, when testing immunodeficient animals without sentinels and when performing just environmental monitoring).

In quarantine, PCR panels can also be combined with serological panels for more insights about past, not active infections when importing animals in your institution. Our health monitoring methods can play a key role in allowing you to **Replace** the use of animals with alternative testing techniques, **Reduce** the number of animals used to a minimum, and **Refine** the way health monitoring is done.

Price — Serology	Sample type	Prevalent $46.75	Basic $85.75	Comprehensive $106.25	Comprehensive Plus $134.25	Global $163.75	FELASA quarterly $46.75	FELASA annual $106.25
Mouse hepatitis virus (MHV)	Opti-Spot®	•	•	•	•	•	•	•
Mouse parvovirus (MPV1-5)	Opti-Spot®	•	•	•	•	•	•	•
Minute virus of mice (MVM)	Opti-Spot®	•	•	•	•	•	•	•
Mouse norovirus (MNV)	Opti-Spot®	•	•	•	•	•	•	•
Theiler's murine encephalomyelitis virus (TMEV)	Opti-Spot®	•	•	•	•	•	•	•
Mouse rotavirus (MRV/EDIM)	Opti-Spot®	•	•	•	•	•	•	•
Sendai virus (SEND)	Opti-Spot®		•	•	•	•		•
Mycoplasma pulmonis	Opti-Spot®		•	•	•	•		•
Pneumonia virus of mice (PVM)	Opti-Spot®		•	•	•	•		•
Reovirus 3 (REO3)	Opti-Spot®		•	•	•	•		•
Lymphocytic choriomeningitis virus (LCMV)	Opti-Spot®		•	•	•	•		•
Ectromelia virus	Opti-Spot®		•	•	•	•		•
Mouse adenovirus 1 (MAV1)	Opti-Spot®			•	•	•		•
Mouse adenovirus 2 (MAV2)	Opti-Spot®			•	•	•		•
Polyomavirus	Opti-Spot®			•	•	•		
Encephalitozoon cuniculi (ECUN)	Opti-Spot®				•	•		
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	Opti-Spot®				•	•		
Clostridium piliforme	Opti-Spot®				•	•		•
Mouse cytomegalovirus (MCMV)	Opti-Spot®				•	•		
K virus	Opti-Spot®					•		
Hantaviruses (Hantaan & Seoul)	Opti-Spot®					•		
Lactate dehydrogenase-elevating virus (LDV)	Opti-Spot®					•		
Mouse thymic virus (MTV)	Opti-Spot®					•		
Price — Feces		**$57.50**	**$78.00**	**$184.25**	**$244.75**	**$293.50**	**$155.25**	**$184.25**
Pinworms *(Syphacia muris, Syphacia obvelata, Aspiculuris tetraptera)*	F	•	•	•	•	•	•	•
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F		•	•	•	•	•	•
Tritrichomonas muris	F			•	•	•	•	•
Giardia muris	F			•	•	•	•	•
Spironucleus muris	F			•	•	•	•	•
Entamoeba muris	F			•	•	•	•	•
Salmonella spp.	F			•	•	•		•
Pseudomonas aeruginosa	F			•	•	•		
Citrobacter rodentium	F			•	•	•		•
Rodentolepis nana	F				•	•	•	•
Klebsiella pneumoniae	F				•	•		
Klebsiella oxytoca	F				•	•		

Sample Type Legend
F = Feces DOS = Dry oral swab (PCR) FS = Fur swab

Mouse Advantage Health Monitoring

Proteus mirabilis	F				•	•		
Cryptosporidium spp.	F					•		
Campylobacter spp.	F					•		
Mouse kidney parvovirus (MKPV)	F					•		
Price — Fur Swab		**$57.50**	**$57.50**	**$57.50**	**$57.50**	**$57.50**	**$57.50**	**$57.50**
Fur mites (*Myocoptes, Myobia, Radfordia* spp.)	FS	•	•	•	•	•	•	•
Price — Oral Swab			**$57.50**	**$107.25**	**$153.75**	**$199.25**	**$108.25**	**$137.75**
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	DOS		•	•	•	•	•	•
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	DOS		•	•	•	•	•	•
Staphylococcus aureus	DOS			•	•	•		
Streptococcus ß-hemolytic Group A, B, C, G	DOS			•	•	•	•	•

Rat Advantage Health Monitoring

		Prevalent	Basic	Comprehensive	Global	FELASA quarterly	FELASA annual
Price — Serology	**Sample type**	**$54.25**	**$85.75**	**$ 121.25**	**$134.25**	**$64.75**	**$113.75**
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	Opti-Spot®	•	•	•	•	•	•
Rat parvovirus (RPV)	Opti-Spot®	•	•	•	•	•	•
Rat minute virus (RMV)	Opti-Spot®	•	•	•	•	•	•
Kilham's rat virus (KRV)	Opti-Spot®	•	•	•	•	•	•
Toolan's H-1 virus (H-1)	Opti-Spot®	•	•	•	•	•	•
NS1 generic parvovirus	Opti-Spot®	•	•	•	•	•	•
Rat theilovirus (RTV)	Opti-Spot®	•	•	•	•	•	•
Pneumocystis carinii	Opti-Spot®	•	•	•	•		•
Sendai virus (SEND)	Opti-Spot®		•	•	•		•
Pneumonia virus of mice (PVM)	Opti-Spot®		•	•	•	•	•
Mycoplasma pulmonis	Opti-Spot®		•	•	•	•	•
Reovirus 3 (REO3)	Opti-Spot®		•	•	•		•
Lymphocytic choriomeningitis virus (LCMV)	Opti-Spot®		•	•	•		
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	Opti-Spot®			•	•		•
Hantaviruses (Hantaan & Seoul)	Opti-Spot®			•	•		•
Clostridium piliforme	Opti-Spot®			•	•	•	•
Mouse adenovirus 1 (MAV1)	Opti-Spot®			•	•		•
Mouse adenovirus 2 (MAV2)	Opti-Spot®			•	•		•
Encephalitozoon cuniculi	Opti-Spot®				•		
Infectious diarrhea of infant rats (IDIR)	Opti-Spot®				•		
Rat polyomavirus 2 (RPyV2)	Opti-Spot®				•		
Price — Feces		**$57.50**	**$78.00**	**$199.25**	**$290.00**	**$170.50**	**$184.25**
Pinworms *(Syphacia muris, Syphacia obvelata, Aspiculuris tetraptera)*	F	•	•	•	•	•	•
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F		•	•	•	•	•

Rat Advantage Health Monitoring

Price — Feces		$57.50	$78.00	$199.25	$290.00	$170.50	$184.25
Tritrichomonas muris	F			•	•	•	•
Giardia muris	F			•	•	•	•
Spironucleus muris	F			•	•	•	•
Entamoeba muris	F			•	•	•	•
Salmonella spp.	F			•	•		•
Pseudomonas aeruginosa	F			•	•		
Klebsiella pneumoniae	F			•	•		
Klebsiella oxytoca	F			•	•		
Proteus mirabilis	F				•		
Campylobacter spp.	F				•		
Boone cardiovirus (BCV)	F				•		
Cryptosporidium spp.	F				•		
Hymenolepis diminuta	F				•	•	•
Rodentolepis nana	F				•	•	•
Price — Fur Swab		**$57.50**	**$57.50**	**$57.50**	**$57.50**	**$57.50**	**$57.50**
Fur mites *(Myocoptes, Myobia, Radfordia* spp.*)*	FS	•	•	•	•	•	•
Price — Dry Oral Swab			**$57.50**	**$137.75**	**$184.25**	**$108.25**	**$123.50**
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	DOS		•	•	•	•	•
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	DOS		•	•	•	•	•
Staphylococcus aureus	DOS			•	•		
Streptococcus ß-hemolytic Group A, B, C, G	DOS			•	•	•	•
Streptococcus pneumoniae	DOS			•	•	•	•
Streptobacillus moniliformis	DOS			•	•		•
Bordetella bronchiseptica	DOS				•		
Corynebacterium kutscheri	DOS				•		
Pasteurella multocida	DOS				•		

Sample Type Legend
F = Feces DOS = Dry oral swab (PCR) FS = Fur swab

Mouse Advantage Quarantine

		Q-Prevalent	Q-Basic	Q-Comprehensive	Q-Global
Serology Panels	**Sample type**	**$48.00**	**$99.75**	**$134.25**	**$163.75**
Mouse hepatitis virus (MHV)	Opti-Spot®	•	•	•	•
Mouse parvovirus (MPV1-5)	Opti-Spot®	•	•	•	•
Mouse minute virus (MVM)	Opti-Spot®	•	•	•	•
Mouse norovirus (MNV)	Opti-Spot®	•	•	•	•
Theiler's murine encephalomyelitis virus (TMEV)	Opti-Spot®	•	•	•	•
Mouse rotavirus (MRV/EDIM)	Opti-Spot®	•	•	•	•
Sendai virus (SEND)	Opti-Spot®		•	•	•
Mycoplasma pulmonis	Opti-Spot®		•	•	•
Pneumonia virus of mice (PVM)	Opti-Spot®		•	•	•
PReovirus 3 (REO3)	Opti-Spot®		•	•	•
Lymphocytic choriomeningitis virus (LCMV)	Opti-Spot®		•	•	•
Ectromelia virus	Opti-Spot®		•	•	•
Mouse adenovirus 1 (MAV1)	Opti-Spot®		•	•	•
Mouse adenovirus 2 (MAV2)	Opti-Spot®		•	•	•
Polyomavirus	Opti-Spot®			•	•
Encephalitozoon cuniculi (ECUN)	Opti-Spot®			•	•
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	Opti-Spot®			•	•
Clostridium piliforme	Opti-Spot®			•	•
Mouse cytomegalovirus (MCMV)	Opti-Spot®			•	•
K virus	Opti-Spot®				•
Hantaviruses (Hantaan & Seoul)	Opti-Spot®				•
Lactate dehydrogenase-elevating virus (LDV)	Opti-Spot®				•
Mouse thymic virus (MTV)	Opti-Spot®				•

Mouse Advantage Quarantine

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

		Q-Prevalent	Q-Basic	Q-Comprehensive	Q-Global
PCR Panels					
Price - Feces	**Sample type**	**$189.50**	**$199.25**	**$305.25**	**$349.50**
Mouse hepatitis virus (MHV)	F	●	●	●	●
Mouse parvovirus (MPV1-5)	F	●	●	●	●
Mouse minute virus (MVM)	F	●	●	●	●
Mouse norovirus (MNV)	F	●	●	●	●
Theiler's murine encephalomyelitis virus (TMEV)	F	●	●	●	●
Mouse rotavirus (MRV/EDIM)	F	●	●	●	●
Pinworms *(Syphacia muris, Syphacia obvelata, Aspiculuris tetraptera)*	F	●	●	●	●
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F	●	●	●	●
Klebsiella pneumoniae	F		●	●	●
Klebsiella oxytoca	F		●	●	●
Tritrichomonas muris	F			●	●
Giardia muris	F			●	●
Spironucleus muris	F			●	●
Entamoeba muris	F			●	●
Salmonella spp.	F			●	●
Pseudomonas aeruginosa	F			●	●
Citrobacter rodentium	F			●	●
Rodentolepis nana	F				●
Proteus mirabilis	F				●
Cryptosporidium spp.	F				●
Campylobacter spp.	F				●

Price - Fur Swab		**$57.50**	**$57.50**	**$57.50**	**$57.50**
Fur mites *(Myocoptes, Myobia, Radfordia* spp.*)*	FS	●	●	●	●
Price - Dry Oral Swab			**$57.50**	**$137.75**	**$230.75**
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	DOS		●	●	●
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	DOS		●	●	●
Bordetella bronchiseptica	DOS			●	●
Corynebacterium kutscheri	DOS			●	●
Streptococcus ß-hemolytic Group A, B, C, G	DOS			●	●
Streptobacillus moniliformis	DOS			●	●
Mycoplasma pulmonis	DOS				●
Streptococcus pneumoniae	DOS				●
Staphylococcus aureus	DOS				●
Bordetella hinzii / pseudohinzii	DOS				●
Pasteurella multocida	DOS				●

Rat Advantage Quarantine

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

		Q-Prevalent	Q-Basic	Q-Comprehensive	Q-Global
Serology Panels	**Sample type**	**$54.25**	**$85.75**	**$121.25**	**$134.25**
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	Opti-Spot®	•	•	•	•
Rat parvovirus (RPV)	Opti-Spot®	•	•	•	•
Rat minute virus (RMV)	Opti-Spot®	•	•	•	•
Kilham's rat virus (KRV)	Opti-Spot®	•	•	•	•
Toolan's H-1 virus (H-1)	Opti-Spot®	•	•	•	•
Rat theilovirus (RTV)	Opti-Spot®	•	•	•	•
Pneumocystis carinii	Opti-Spot®	•	•	•	•
Sendai virus (SEND)	Opti-Spot®		•	•	•
Pneumonia virus of mice (PVM)	Opti-Spot®		•	•	•
Mycoplasma pulmonis	Opti-Spot®		•	•	•
Reovirus 3 (REO3)	Opti-Spot®		•	•	•
Lymphocytic choriomeningitis virus (LCMV)	Opti-Spot®		•	•	•
Cilia-associated *respiratory bacillus* (CARB) / *Filobacterium rodentium*	Opti-Spot®			•	•
Clostridium piliforme	Opti-Spot®			•	•
Mouse adenovirus 1 (MAV1)	Opti-Spot®			•	•
Mouse adenovirus 2 (MAV2)	Opti-Spot®			•	•
Encephalitozoon cuniculi	Opti-Spot®				•
Infectious diarrhea of infant rats (IDIR)	Opti-Spot®				•
PCR Panels					
Price - Feces		**$168.75**	**$168.75**	**$258.75**	**$396.00**
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	F	•	•	•	•
Rat parvovirus (RPV)	F	•	•	•	•
Rat minute virus (RMV)	F	•	•	•	•
Kilham's rat virus (KRV)	F	•	•	•	•
Toolan's H-1 virus (H-1)	F	•	•	•	•
Rat theilovirus (RTV)	F	•	•	•	•
Pinworms *(Syphacia muris, Syphacia obvelata, Aspiculuris tetraptera)*	F	•	•	•	•
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F	•	•	•	•
Spironucleus muris	F			•	•
Klebsiella pneumoniae	F			•	•
Klebsiella oxytoca	F			•	•
Clostridium piliforme	F			•	•
Pseudomonas aeruginosa	F			•	•
Salmonella spp.	F			•	•
Tritrichomonas muris	F				•
Giardia muris	F				•
Entamoeba muris	F				•
Cryptosporidium spp.	F				•
Hymenolepis diminuta	F				•
Proteus mirabilis	F				•
Rodentolepis nana	F				•
Campylobacter spp.	F				•
Boone cardiovirus (BCV)	F				•
Price - Fur Swab		**$57.50**	**$57.50**	**$57.50**	**$57.50**
Fur mites *(Myocoptes, Myobia, Radfordia* spp.*)*		•	•	•	•
Price - Dry Oral Swab			**$57.50**	**$168.75**	**$230.75**
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	DOS		•	•	•
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	DOS		•	•	•
Staphylococcus aureus	DOS			•	•
Bordetella bronchiseptica	DOS			•	•
Corynebacterium kutscheri	DOS			•	•
Streptococcus ß-hemolytic Group A, B, C, G	DOS			•	•
Streptococcus pneumoniae	DOS			•	•
Streptobacillus moniliformis	DOS			•	•
Mycoplasma pulmonis	DOS				•
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	DOS				•

Mouse Opti-XXpress/ EDx Panel

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

PCR Panels	Sample type	Prevalent $232.75	Basic $294.50	Comprehensive $394.00	Global $626.50
Bacteria - Respiratory					
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	F, DOS, E	•	•	•	•
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	F, DOS, E	•	•	•	•
Mycoplasma pulmonis	F, DOS, E		•	•	•
Streptococcus ß-hemolytic Group A, B, C, G	F, DOS, E			•	•
Bordetella bronchiseptica	F, DOS, E			•	•
Bordetella hinzii / pseudohinzii	F, DOS, E				•
Corynebacterium kutscheri	F, DOS, E				•
Streptobacillus moniliformis	F, DOS, E				•
Streptococcus pneumoniae	F, DOS, E				•
Cilia-associated *respiratory bacillus* (CARB) / *Filobacterium rodentium*	F, DOS, E				•
Bacteria - Enteric					
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F, E	•	•	•	•
Klebsiella oxytoca	F, E		•	•	•
Klebsiella pneumoniae	F, E		•	•	•
Salmonella spp.	F, E		•	•	•
Citrobacter rodentium	F, E			•	•
Clostridium piliforme	F, E			•	•
Pseudomonas aeruginosa	F, E			•	•
Campylobacter spp.	F, E				•
Proteus mirabilis	F, E				•
Bacteria - Skin					
Corynebacterium bovis	FS, E				•
Staphylococcus xylosus	FS, E				•
Fungi					
Pneumocystis spp.	DOS, E				•

Viruses		Prevalent	Basic	Comprehensive	Global
Mouse hepatitis virus (MHV)	F, E	•	•	•	•
Mouse minute virus (MVM)	F, E	•	•	•	•
Mouse parvovirus (MPV1-5)	F, E	•	•	•	•
Mouse norovirus (MNV)	F, E	•	•	•	•
Theiler's murine encephalomyelitis virus (TMEV)	F, E	•	•	•	•
Mouse rotavirus (MRV/EDIM)	F, E	•	•	•	•
Mouse adenovirus (MAV1, MAV2)	F, E			•	•
Mouse kidney parvovirus (MKPV)	F, E				•
Reovirus (REO3)	F, E				•
Pneumonia virus of mice (PVM)	F, E				•
Sendai virus (SEND)	F, E				•
Ectromelia	F, E				•
Hantaan virus	F, E				•
Lymphocytic choriomeningitis virus (LCMV)	F, E				•
Parasites					
Pinworms *(Syphacia obvelata, Syphacia muris, Aspiculuris tetraptera)*	F, E	•	•	•	•
Fur Mites *(Myocoptes, Myobia and Radfordia* spp.*)*	FS, E	•	•	•	•
Spironucleus muris	F, E	•	•	•	•
Entamoeba muris	F, E	•	•	•	•
Tritrichomonas muris	F, E			•	•
Cryptosporidium spp.	F, E				•
Giardia spp.	F, E				•
Demodex	F, E				•
Ornithonyssus	FS, F, E				•

Rat Opti-XXpress/ EDx Panels

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

PCR Panels	Sample type	Prevalent $232.75	Basic $294.50	Comprehensive $394.00	Global $568.00
Bacteria - Respiratory					
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	F, DOS, E	•	•	•	•
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	F, DOS, E	•	•	•	•
Mycoplasma pulmonis	F, DOS, E		•	•	•
Staphylococcus aureus	F, DOS, E			•	•
Streptococcus ß-hemolytic Group A, B, C, G	F, DOS, E			•	•
Bordetella bronchiseptica	F, DOS, E				•
Corynebacterium kutscheri	F, DOS, E				•
Streptobacillus moniliformis	F, DOS, E				•
Streptococcus pneumoniae	F, DOS, E				•
Cilia-associated *respiratory bacillus* (CARB) / *Filobacterium rodentium*	F, DOS, E				•
Bacteria - Enteric					
Helicobacter spp. *H.bilis, H.ganmani, H.hepaticus, H.mastomyrinus, H.rodentium, H.typhlonius*	F, E	•	•	•	•
Klebsiella oxytoca	F, E		•	•	•
Klebsiella pneumoniae	F, E		•	•	•
Salmonella spp.	F, E		•	•	•
Clostridium piliforme	F, E			•	•
Pseudomonas aeruginosa	F, E			•	•
Campylobacter spp.	F, E				
Proteus mirabilis	F, E				•
Bacteria - Skin					
Staphylococcus xylosus	FS, E				•
Fungi					
Pneumocystis spp.	DOS, E				•

Viruses		Prevalent	Basic	Comprehensive	Global
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	F, E	•	•	•	•
Rat parovirus (RPV)	F, E	•	•	•	•
Kilham's rat virus (KRV)	F, E	•	•	•	•
Rat minute virus (RMV)	F, E	•	•	•	•
Toolan's H-1 virus (H-1)	F, E	•	•	•	•
Rat theilovirus (RTV)	F, E	•	•	•	•
Boone cardiovirus (BCV)	F, E			•	•
Mouse adenovirus (MAV1, MAV2)	F, E			•	•
Reovirus (REO3)	F, E				•
Pneumonia virus of mice (PVM)	F, E				•
Sendai virus (SEND)	F, E				•
Seoul virus	F, E				•
Parasites					
Pinworms *(Syphacia obvelata, Syphacia muris, Aspiculuris tetraptera)*	F, E	•	•	•	•
Fur Mites *(Myocoptes, Myobia and Radfordia* spp.*)*	FS, E	•	•	•	•
Spironucleus muris	F, E	•	•	•	•
Entamoeba muris	F, E	•	•	•	•
Tritrichomonas muris	F, E			•	•
Cryptosporidium spp.	F, E				•
Giardia spp.	F, E				•
Demodex	F, E				•
Ornithonyssus	FS, F, E				•

Mouse and Rat Health Monitoring

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Other Mouse and Rat PCR Panels

Test name and components	Sample type(s)	Price
Parvovirus Mouse PCR MPV 1-5, MVM	F or E	**$112.75**
Parvovirus Plus Mouse PCR MPV 1-5, MVM, MKPV	F or E	**$123.50**
Fecal A Mouse PCR MPV 1-5, MVM, MHV, MNV, *Helicobacter* spp., Pinworms	F	**$172.25**
Fecal B Mouse PCR MPV 1-5, MVM, MHV, MNV, TMEV, EDIM, *Helicobacter* spp., Pinworms	F	**$189.50**
Fecal C Mouse PCR MPV 1-5, MVM, MHV, MNV, TMEV, EDIM, *Helicobacter* spp., Pinworms, *Citrobacter rodentium, Clostridium piliforme, Salmonella enterica, Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa*, enteric Protozoa	F	**$437.25**
Parvovirus Rat PCR RPV, RMV, KRV, H-1	F or E	**$123.50**
Fecal Rat PCR RPV, RMV, KRV, H-1, RTV, *Helicobacter* spp., Pinworms	F	**$191.75**
EDX Parasite PCR Fur mites, Pinworms, *Spironucleus muris, Entamoeba muris, Tritrichomonas muris, Giardia* spp., *Ornithonyssus* sp., *Demodex musculi*	E	**$174.25**
EDx Primary Fur mites, Pinworms, *Spironucleus muris, Entamoeba muris, Tritrichomonas muris, Giardia* spp, *Helicobacter* spp., *H.bilis, H.hepaticus, H.rodentium, H.typhlonius, H.ganmani, H.mastomyrinus, Pasteurella pneumotropica* Biotype Heyl & Jawetz *(Rodentibacter heylii, Rodentibacter pneumotropicus)*	E	**$174.25**
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) Panel†	F or DOS	**$86.75**

Test name and components	Sample type(s)	Price
Helicobacter PCR *Helicobacter* spp., *H.bilis, H.hepaticus, H.rodentium, H.typhlonius, H.ganmani, H.mastomyrinus*	F or E	**$123.50**
Pinworm / Fur Mite PCR *Syphacia obvelata, Syphacia muris, Aspiculuris tetraptera, Myocoptes, Myobia and Radfordia* spp.	F or E	**$112.75**
Pinworm / Fur Mite / Helicobacter spp. PCR *Syphacia obvelata, Syphacia muris, Aspiculuris tetraptera, Myocoptes, Myobia and Radfordia* spp., *Helicobacter* spp., *H.bilis, H.hepaticus, H.rodentium, H.typhlonius, H.ganmani, H.mastomyrinus*	F or E	**$126.75**
Protozoa PCR *Entamoeba muris, Giardia muris, Spironucleus muris, Tritrichomonas muris, Chilomastix* spp., *Cryptosporidium* spp., *Eimeria* spp.	F or E	**$123.50**
Skin PCR Fur mites, Dermatophytes, *Demodex musculi, Ornithonyssus* spp., *Staphylococcus aureus, Staphylococcus xylosus, Corynebacterium bovis, Corynebacterium* spp. (HAC2)	PS	**$174.25**
Dermatophytes PCR *Microsporum* spp., *Trichophyton* spp.	Skin brush	**$84.50**
Opportunistic Bacteria Mouse PCR *Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa, Proteus mirabilis, Staphylococcus aureus, Bordetella bronchiseptica, Filobacterium rodentium* (CAR *bacillus*)	F, DOS or F	**$179.00**
Opportunistic Bacteria Rat PCR *Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa, Proteus mirabilis, Staphylococcus aureus, Bordetella bronchiseptica, Corynebacterium kutscheri*	F, DOS or F	**$179.00**

* not recommended

Serology Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

For the greatest ease, efficiency, and accuracy, our animal health monitoring serology diagnostics are spot on:

Opti-Spot® Dried Blood Spot sampling technology

- Decrease sampling and prep time
- Reduce shipping costs
- Faster and more accurate results

Get the highest level of diagnostic accuracy from just a simple drop of blood, with results in 24–36 hours on par with the kind of expert analysis and exceptional service you would expect from the leader in animal health monitoring.

Expect a more complete picture from just a drop of blood.

Mouse Serology Panels

		Parvovirus	Primary	Clinical	Basic	Comprehensive	Comprehensive Plus	Global	FELASA Quarterly	FELASA Annual
Serology panel		**$24.00**	**$48.00**	**$57.50**	**$85.75**	**$106.25**	**$134.25**	**$163.75**	**$48.00**	**$106.25**
Serology single agent		**$13.75**								
Serology single agent if added to existing panel		**$8.25**								
	Sample type									
MPV 1-5	Opti-Spot®	•	•	•	•	•	•	•	•	•
MVM	Opti-Spot®	•	•	•	•	•	•	•	•	•
MHV	Opti-Spot®		•	•	•	•	•	•	•	•
MNV	Opti-Spot®		•	•	•	•	•	•	•	•
TMEV	Opti-Spot®		•	•	•	•	•	•	•	•
MRV/EDIM	Opti-Spot®		•	•	•	•	•	•	•	•
Sendai virus	Opti-Spot®			•	•	•	•	•		•
Mycoplasma pulmonis	Opti-Spot®			•	•	•	•	•		•
PVM	Opti-Spot®				•	•	•	•		•
REO3	Opti-Spot®				•	•	•	•		•
LCMV	Opti-Spot®				•	•	•	•		•
Ectromelia virus	Opti-Spot®				•	•	•	•		•
MAV1	Opti-Spot®							•	•	•	•	•
MAV2	Opti-Spot®							•	•	•	•	•
Mouse polyomavirus	Opti-Spot®							•	•	•		
Encephalitozoon cuniculi	Opti-Spot®								•	•		
Filobacterium rodentium (CAR *bacillus*)	Opti-Spot®								•	•		
Clostridium piliforme	Opti-Spot®								•	•		•
MCMV	Opti-Spot®								•	•		
K virus	Opti-Spot®									•		
Hantaviruses (Hantaan & Seoul)	Opti-Spot®									•		
LDV	Opti-Spot®									•		
MTV	Opti-Spot®									•		

Rat Serology Panels

		Parvovirus	Primary	Clinical	Basic	Comprehensive	Global	FELASA Quarterly	FELASA Annual
Serology panel		**$31.50**	**$54.25**	**$71.50**	**$85.75**	**$121.25**	**$141.75**	**$63.25**	**$112.75**
Serology single agent		**$13.75**							
Serology single agent if added to existing panel		**$8.25**							
	Sample Type								
RPV	Opti-Spot®	•	•	•	•	•	•	•	•
RMV	Opti-Spot®	•	•	•	•	•	•	•	•
KRV	Opti-Spot®	•	•	•	•	•	•	•	•
H-1	Opti-Spot®	•	•	•	•	•	•	•	•
RTV	Opti-Spot®		•	•	•	•	•	•	•
RCV/SDAV	Opti-Spot®		•	•	•	•	•	•	•
Pneumocystis carinii	Opti-Spot®		•	•	•	•	•		•
Sendai virus	Opti-Spot®			•	•	•	•		•
PVM	Opti-Spot®			•	•	•	•	•	•
Mycoplasma pulmonis	Opti-Spot®			•	•	•	•	•	•
REO3	Opti-Spot®				•	•	•		•

Sample Type Legend
F = Feces T = Tissue DOS = Dry oral swab (PCR)

Serology Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

LCMV	Opti-Spot®				•	•	•		
CARB	Opti-Spot®					•	•		•
Hantaviruses (Hantaan & Seoul)	Opti-Spot®					•	•		•
Clostridium piliforme	Opti-Spot®					•	•	•	•
MAV1	Opti-Spot®					•	•		•
MAV2	Opti-Spot®					•	•		•
Encephalitozoon cuniculi	Opti-Spot®						•		
IDIR	Opti-Spot®						•		
RPyV2	Opti-Spot®						•		

Guinea Pig Serology Panels

	Clinical	Comprehensive
Serology panel	**$60.50**	**$88.50**
Serology single agent	**$13.75**	
Serology single agent if added to existing panel	**$8.25**	

	Sample type		
PVM	Opti-Spot®	•	•
PI3	Opti-Spot®	•	•
Sendai virus	Opti-Spot®	•	•
SV5	Opti-Spot®	•	•
Encephalitozoon cuniculi	Opti-Spot®	•	•
Clostridium piliforme	Opti-Spot®	•	•
LCMV	Opti-Spot®		•
GPADV	Opti-Spot®		•
GPCMV	Opti-Spot®		•

Hamster Serology Panels

	Basic	Comprehensive
Serology panel	**$29.25**	**$68.75**
Serology single agent	**$13.75**	
Serology single agent if added to existing panel	**$8.25**	

	Sample type		
LCMV	Opti-Spot®	•	•
Sendai virus	Opti-Spot®	•	•
Clostridium piliforme	Opti-Spot®	•	•
PVM	Opti-Spot®		•
SV5	Opti-Spot®		•
Encephalitozoon cuniculi	Opti-Spot®		•
REO 3	Opti-Spot®		•

Rabbit Serology Panels

	Comprehensive
Serology panel	**$63.75**
Serology single agent	**$13.75**
Serology single agent if added to existing panel	**$8.25**

	Sample type	
Rabbit rotavirus	Opti-Spot®	•
Encephalitozoon cuniculi	Opti-Spot®	•
Clostridium piliforme	Opti-Spot®	•
Filobacterium rodentium (CAR *bacillus*)	Opti-Spot®	•
Treponema paraluiscuniculi	Opti-Spot®	•

Individual Serology Assays

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Agent	Species
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	Mouse, rat, hamster, guinea pig, rabbit
Clostridium piliforme	Mouse, rat, hamster, guinea pig, rabbit
Ectromelia virus	Mouse
Mouse rotavirus (MRV/EDIM)	Mouse
Encephalitozoon cuniculi (ECUN)	Mouse, rat, hamster, guinea pig
Guinea pig adenovirus (GPADV)	Guinea pig
Guinea pig cytomegalovirus (GPCMV)	Guinea pig
Toolan's H-1 virus (H-1)	Rat
Hantaviruses (Hantaan & Seoul)	Rat, guinea pig
Infectious diarrhea of infant rats (IDIR)	Rat
K virus	Mouse
Kilham's rat virus (KRV)	Rat
Lactate dehydrogenase-elevating virus (LDV)	Mouse
Leptospira	Mouse, rat
Lymphocytic choriomeningitis virus (LCMV)	Mouse, rat, hamster, guinea pig, rabbit
Mouse adenovirus 1 (MAV1) (FL)	Mouse, rat, guinea pig
Mouse adenovirus 2 (MAV2) (K87)	Mouse, guinea pig
Mouse cytomegalovirus (MCMV)	Mouse
Mouse hepatitis virus (MHV)	Mouse, guinea pig
Mouse kidney parvovirus (MKPV)	Mouse
Mouse norovirus (MNV)	Mouse
Mouse parvovirus (MPV1-5)	Mouse
Mouse thymic virus (MTV)	Mouse
Mouse minute virus (MMV)	Mouse, guinea pig
Mycoplasma pulmonis	Mouse, rat

Agent	Species
Parainfluenza virus 3 (PI3)	Guinea pig
Pneumocystis carinii	Rat
Pneumocystis murina	Mouse
Mouse polyomavirus	Mouse
Pneumonia virus of mice (PVM)	Mouse, rat, hamster, guinea pig
Rat polyomavirus 2 (RPyV2)	Rat
Rat coronavirus (RCV)/Sialodacryoadenitis virus (SDAV)	Rat
Rat cytomegalovirus (RCMV)	Rat
Reovirus 3 (REO3)	Mouse, rat, hamster, guinea pig
Rat minute virus (RMV)	Rat
Rotavirus group A (ROTA)	Guinea pig, Rabbit
Rat parvovirus (RPV)	Rat
Rat theilovirus (RTV)	Rat
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV 2)	
Sendai virus (SEND)	Mouse, rat, hamster, guinea pig, rabbit
Sin Nombre virus	Mouse, rat, guinea pig
Simian virus 5 (SV5)	Hamster, guinea pig, rabbit
Theiler's murine encephalomyelitis virus (TMEV)	Mouse
Treponema paraluiscuniculi	Rabbit

Individual Serology Assays

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Sample Information

Opti-Spot® provides the following benefits

- Small sample size – only one drop of blood is required; more feasible for ante-mortem sampling
- Saves technician time – no clotting or centrifugation required; no transfer of serum
- Reduced sample preparation time – only an hour or two of drying time required
- Cost savings in supplies – no serum tubes or pipettes; may be shipped at ambient temperature, no ice or insulation necessary

Opti-Spot® Dry Blood Spot

- Materials required: Opti-Spot® card (available from IDEXX BioAnalytics for no charge), lancet or needle
- Sample Collection: The Opti-Spot® cards are constructed with 5 individual strips separated by perforations. The strips are easily separated along the perforation lines for individual use. On each strip, a 1 cm^2 circle is printed on the face of the Opti-Spot® membrane as a guide. It is not necessary that the blood spot be centered within the circle. Label one Opti-Spot® card with a unique identification number for each sample strip. Ante-mortem blood samples may be obtained by lancing the lateral saphenous, facial or the temporal vein. Touch the Opti-Spot® membrane to blood drop as it forms on the surface of the skin. If the blood sample is taken by cardiocentesis, quickly dispense one drop of whole blood onto the Opti-Spot® strip. The blood spot should be of sufficient size (approximately 1 cm^2) to nearly fill the printed circle and be of sufficient volume to saturate the membrane. The blood spot will appear similar on both sides of the membrane. Allow the blood spot to dry for a minimum of one hour. Once dried, fold the protective upper tab over the blood spot and tuck under the lower tab.
- Sample Handling & Storage: It is important that the Opti-Spot® strip is protected from moisture.
- Sample Shipment: Once dry, place Opti-Spot® samples in a water-tight plastic bag containing the provided silica gel desiccant pack, and ship samples in a standard overnight envelope.

Serum

- Sample Collection: MFI2 requires only 0.2 µl of undiluted serum (1.0 µl of 1:5 diluted serum) regardless of the number of tests requested. To allow for potential secondary and tertiary confirmatory testing, we recommend that a minimum of 20 µl of undiluted (100 µl of 1:5 diluted serum) be submitted for each sample. You may achieve an approximate 1:5 dilution of serum by adding 1 part of whole blood to 4 parts of ambient temperature saline. Refrigerate the diluted blood for 6 to 12 hours, centrifuge at low speed for 5–10 minutes, and recover the 1:5 diluted serum for submission.
- Sample Handling & Storage: Serum and plasma should be stored in tubes with the lids secured to prevent leakage. The use of Parafilm™ over tube lids is recommended to prevent leakage.
- Sample Shipment: Serum samples should be shipped frozen using an overnight service. One or two ice packs are generally adequate depending on the type of container, the number of samples and the ambient temperature. Optimal shipping conditions are achieved when the entire package with its lid open is frozen overnight at or below -20°C. Close tubes when shipping samples. The use of dry ice is not required.

Note:

Do not submit whole blood; hemolysis will occur during freezing or shipping and may interfere with serologic test performance. Refrain from pooling serum samples, a practice that can yield false negative results by dilution effect.

Please include a completed serology submission form specifying the species, serum dilution, and the serology profile or individual test(s) requested. Describe any potential biohazards associated with the samples. Please use a separate serology accession form for each species and serologic profile or group of test(s) requested.

Turnaround Times

Serology results turnaround is 3 business days after receipt of samples. Results reports are delivered by email and are also available via the secure, online client portal.

Individual PCR Assays and Preferred Specimen Type

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Agent	Preferred Specimen Type (italics = postmortem sample)	Species
Viruses		
Boone cardiovirus (BCV)	Feces, environmental	Rat
Ectromelia virus (mouse poxvirus)	Feces, environmental, *skin lesion*	Mouse
Guinea pig adenovirus (GAV)	Feces, environmental, oral swab, *lung*	Guinea Pig
Guinea pig cytomegalovirus (GPCMV)	Feces, *spleen, salivary gland*	Guinea Pig
Hamster parvovirus (HaPV)	Feces, *mesenteric lymph nodes*	Hamster
Hamster polyomavirus	Feces, environmental, *lesioned organs*	Hamster
Hantaan virus	Feces, environmental, *kidney*	Mouse†, rat, guinea pig, hamster
K virus (Mouse pneumotropic virus)	Feces, environmental, *mesenteric lymph nodes*	Mouse
Kilham's rat virus (KRV)	Feces, environmental, *mesenteric lymph nodes, spleen*	Rat
Lactate dehydrogenase-elevating virus (LDEV)	Serum, *spleen*	Mouse
Lymphocytic choriomeningitis virus (LCMV)	Feces, environmental, *kidney*	Mouse
Minute virus of mice (MMV)	Feces, environmental, *mesenteric lymph nodes, spleen*	Mouse
Mouse adenovirus 1 (MAV1)	Feces, environmental, *mesenteric lymph nodes*	Mouse
Mouse adenovirus 2 (MAV2)	Feces, environmental, *intestine*	Mouse
Mouse cytomegalovirus 1 (mCMV1)	Feces, environmental, *spleen, salivary gland*	Mouse
Mouse cytomegalovirus 2 (mCMV2)	Feces, environmental, *spleen, salivary gland*	Mouse
Mouse hepatitis virus (MHV)	Feces, environmental, *mesenteric lymph nodes*	Mouse
Mouse Kidney Parvovirus (MKPV)	Feces, environmental, *kidney*	Mouse
Mouse parvovirus (MPV)	Feces, environmental, *mesenteric lymph nodes, spleen*	Mouse
Mouse rotavirus (EDIM)	Feces, environmental	Mouse
Mouse thymic virus (MTV)	Feces, environmental, oral swab, *salivary gland*	Mouse
Murine astrovirus 1 (MuAstV1)	Feces, environmental	Mouse
Murine norovirus (MNV)	Feces, environmental	Mouse
Murine polyomavirus	Feces, environmental, *skin*	Mouse
Pneumonia virus of mice (PVM)	Feces, environmental, oral swab, *lung*	Mouse
Rat coronavirus (RCV)/ Sialodacryoadenitis virus (SDAV)	Feces, environmental, oral swab, *Harderian gland*	Rat
Rat cytomegalovirus1 (rCMV1)	Feces, environmental, oral swab, *salivary gland*	Rat
Rat cytomegalovirus2 (rCMV2)	Feces, environmental, oral swab, *salivary gland*	Rat
Rat minute virus (RMV)	Feces, environmental, *mesenteric lymph nodes, spleen*	Rat
Rat parvovirus (RPV)	Feces, environmental, *mesenteric lymph nodes, spleen*	Rat
Rat polyomavirus 2 (RPyV2)	Feces, environmental, oral swab	Rat
Rat rotavirus (IDIR)	Feces, environmental	Rat
Rat theilovirus (RTV)	Feces, environmental, *intestine*	Rat
Respiratory enteric orphan virus 1, 2 and 3 (REO1, 2 and 3)	Feces, environmental, *intestine*	Mouse, rat, guinea pig, hamster
Sendai virus (SEND)	Feces, environmental, oral swab, *lung*	Mouse, rat, guinea pig, hamster
Seoul virus	Feces, environmental, *kidney*	Mouse†, rat
Sin Nombre virus	Feces, environmental, *kidney*	Mouse†
Theiler's murine encephalomyelitis virus (TMEV)	Feces, environmental	Mouse
Toolan's H-1 virus (H-1)	Feces, environmental, *mesenteric lymph nodes, spleen*	Rat
Bacteria		
Bordetella bronchiseptica	Feces, environmental, oral swab, *trachea*	Mouse, guinea pig, rat, rabbit
Bordetella hinzii; Bordetella pseudohinzii	Feces, environmental, oral swab, *trachea*	Mouse
Burkholderia gladioli	Ear swab, bulla	Mouse, rat
Citrobacter rodentium	Feces, environmental, *colon*	Mouse, rabbit

† mice are not susceptible species for the virus

Individual PCR Assays and Preferred Specimen Type

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Agent	Preferred Specimen Type (italics = postmortem sample)	Species
Clostridium piliforme (Tyzzer's disease)	Feces, environmental	Mouse, rat, rabbit
Corynebacterium bovis	Feces, environmental, fur swab	Mouse, rat
Corynebacterium spp. (HAC2)	Feces, environmental, fur swab	Mouse
Corynebacterium kutscheri	Feces, environmental, oral swab	Mouse, hamster, rat
Cilia-associated respiratory *bacillus* (CARB) / *Filobacterium rodentium*	Feces, environmental, oral swab, *trachea*	Mouse, rat, rabbit
Helicobacter spp.	Feces, environmental	Mouse, guinea pig, rabbit, rat
Helicobacter bilis	Feces, environmental	Mouse, rabbit, rat
Helicobacter ganmani	Feces, environmental	Mouse, rabbit, rat
Helicobacter hepaticus	Feces, environmental	Mouse, rabbit, rat
Helicobacter mastomyrinus	Feces, environmental	Mouse, rabbit, rat
Helicobacter rodentium	Feces, environmental	Mouse, rabbit, rat
Helicobacter typhlonius	Feces, environmental	Mouse, rabbit, rat
Klebsiella oxytoca	Feces, environmental	Mouse, rat
Klebsiella pneumoniae	Feces, environmental	Mouse, rat
Lawsonia intracellularis	Feces, environmental	Mouse, guinea pig, hamster, rat
Leptospira spp.	Feces, environmental	Mouse, rat
Mycoplasma pulmonis	Feces, environmental, oral swab	Mouse, rat
Pasteurella multocida	Feces, environmental, oral swab	Rat
Proteus mirabilis	Feces, environmental	Mouse, guinea pig, hamster, rat
Pseudomonas aeruginosa	Feces, environmental	Mouse, rat
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	Feces, environmental, oral swab	Mouse, rat
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	Feces, environmental, oral swab	Mouse, rat
Salmonella enterica	Feces, environmental	Mouse, guinea pig, hamster, rabbit, rat
Segmented filamentous bacterium	Feces, environmental	Mouse
Staphylococcus aureus	Feces, environmental, oral swab, fur swab/skin swab	Mouse, rat
Staphylococcus xylosus	Feces, environmental, oral swab, fur swab/skin swab	Mouse, rat
Streptobacillus moniliformis	Feces, environmental, oral swab	Mouse, rat
Streptococcus, β-hemolytic	Feces, environmental, oral swab	Mouse, rat
Streptococcus pyogenes (Group A)	Feces, environmental, oral swab	Mouse, rat
Streptococcus agalactiae (Group B)	Feces, environmental, oral swab	Mouse, rat
Streptococcus equi subsp. zooepidemicus (Group C)	Feces, environmental, oral swab	Mouse, rat
Streptococcus canis (Group G)	Feces, environmental, oral swab	Mouse, rat
Streptococcus pneumoniae	Feces, environmental, oral swab	Mouse, rat
Treponema paraluis-cuniculi	Genital swab	Rabbit
Fungi		
Encephalitozoon cuniculi	Feces, *kidney*	Mouse, guinea pig, hamster, rabbit, rat
Pneumocystis spp.	Feces, environmental, oral swab, *lung*	Mouse, rat
Endoparasites		
Aspiculuris tetraptera	Feces, environmental	Mouse, rat
Chilomastix spp.	Feces, environmental	Mouse, rat
Cryptosporidium spp.	Feces, environmental	Mouse, rat
Eimeria spp.	Feces, environmental	Mouse, rat, rabbit
Entamoeba muris	Feces, environmental	Mouse, rat
Giardia muris	Feces, environmental	Mouse, rat
Hymenolepis diminuta	Feces, environmental	Mouse, rat
Rodentolepis nana	Feces, environmental	Mouse, rat
Spironucleus muris	Feces, environmental	Mouse, rat
Syphacia muris	Feces, environmental	Mouse, rat
Syphacia obvelata	Feces, environmental	Mouse, rat

Individual PCR Assays and Preferred Specimen Type

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Agent	Preferred Specimen Type (italics = postmortem sample)	Species
Tritrichomonas muris	Feces, environmental	Mouse, rat
Ectoparasites		
Demodex musculi	Pelt swab, environmental, feces	Mouse
Myocoptes musculinus	Pelt swab, environmental, feces	Mouse
Ornithonyssus spp.	Pelt swab, environmental, feces	Mouse, rat
Radfordia affinis/Radfordia ensifera/Myobia musculi	Pelt swab, environmental, feces	Mouse, rat

Sample Information

Feces (F) Collection (for PCR Testing)

- Sample Collection: Fecal pellets for PCR evaluation should be collected with clean gloves or sterile forceps and placed in individually labeled sterile tubes. If testing individual mice/rats, submit fecal pellets from each animal. Two to three pellets per animal are adequate.
- Pooling Information: If multiple animals of the same microbiologic status are being evaluated, up to 10 fecal pellets can be pooled and tested as one sample. If collecting fecal pellets from multiple animals, gloves should be changed, and forceps replaced between animals to prevent cross-contamination. Alternatively, forceps can be wiped clean and immersed in diluted bleach (10%) solution for 10 minutes prior to reuse.
- Sample Handling & Storage: Fecal samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to send. For long-term storage, samples can be frozen.
- Sample Shipment: Place labeled sample tubes in a cardboard mailer or box and ship overnight to our laboratory. Samples can be shipped at ambient temperature or on ice packs.

Pelt swab (PS) Collection (for PCR Testing)

- Sample Collection: Using a sterile, dry flocked swab, thoroughly swab the fur against the direction of the hair coat of the animal. It is important to swab around the face, back, tail base, and belly for the best results. Insert the swab halfway into a labeled sterile tube, close the tube lid against the swab shaft, and pull down on the swab shaft to break the shaft. The tip end will fall into the tube, and the tube can be capped.
- Sample Handling & Storage: Pelt swab samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to send. For long-term storage, samples can be frozen.
- Sample Shipment: Place labeled sample tubes in a cardboard mailer or box and ship overnight to our laboratory. Samples can be shipped at ambient temperature or on ice packs.

Dry Oral Swab (DOS) Collection (for PCR Testing)

- Sample Collection: Using a sterile, dry flocked swab, restrain the mouse/rat with one hand so that the head is not able to move from side to side. Insert the oral swab starting at the corner of the mouth to encourage the animal to open its mouth. Slowly twirl the swab to collect the sample. Insert the swab halfway into a labeled sterile tube, close the tube lid against the swab shaft, and pull down on the swab shaft to break the shaft. The tip end will fall into the tube, and the tube can be capped.
- Sample Handling & Storage: Oral swab samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to send. For long-term storage, samples can be frozen.
- Sample Shipment: Place labeled sample tubes in a cardboard mailer or box and ship overnight to our laboratory. Samples can be shipped at ambient temperature or on ice packs.

Individual PCR Assays and Preferred Specimen Type

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Environmental Monitoring Sample (E) Collection (for PCR Testing)

In an effort to decrease the use of sentinel animals and increase the diagnostic sensitivity of monitoring rodent colonies for infectious agents, centralized whole rack level monitoring is being used as an adjunct to or a replacement for the use of soiled bedding sentinels. IDEXX BioAnalytics has a full suite of diagnostic real-time PCR assays based on the proprietary IDEXX BioAnalytics platform to provide testing for all of your environmental samples.

• Sample Types & Collection:

- Exhaust air debris collection filters, membranes, or matrices measuring up to 6 cm x 9.5 cm can be placed lengthwise in a 50 ml conical tube. For matrices suspended in the exhaust air stream, the upward facing side of the matrix should face the center of the collection tube. For thin filters placed perpendicular to the air stream, the side of the filter facing the airflow should face the center of the collection tube.
- A sample of exhaust air dust may be collected and placed directly in a 2 ml microcentrifuge tube for testing.
- Swabs of plenums, prefilters, dust, or other surfaces can be placed in a 2 ml microcentrifuge tube and the swab head either snapped or cut so that only the swab head is in the tube. Collect as much debris/dust as the swab will hold from the dirtiest portion of the surfaces being swabbed.
- Cage Swab: Using a sterile, dry flocked swab, thoroughly swab the inside perimeter at the level of the bedding of the empty, soiled cage. Up to 10 cages can be swabbed using the same swab. Insert the swab halfway into a labeled sterile tube, close the tube lid against the swab shaft, and pull down on the swab shaft to break the shaft. The tip end will fall into the tube and the tube can be capped.

• Sample Handling & Storage: Environmental samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to send. For long-term storage, samples can be frozen.

• Sample Shipment: Place labeled sample tubes in a cardboard mailer or box and ship overnight to our laboratory. Samples can be shipped at ambient temperature or on ice packs.

Turnaround Times

PCR results turnaround is 3 business days after receipt of samples. Results reports are delivered by email and are also available via the secure, online client portal.

Necropsy Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Terminal Health Monitoring

- Standard profiles include a complete necropsy with serology and parasitology.
- Additional histopathology, microbiology, and PCR testing available.
- Fast, reliable results.

Experienced staff backed by world-class experts in animal health monitoring. IDEXX BioAnalytics provides a series of species-specific health monitoring and diagnostic necropsy profiles as part of a comprehensive program designed to identify microbial infections.

Mouse Necropsy Profiles

	Immunocompromised	Primary	Clinical	Basic	Comprehensive	Comprehensive Plus	Global
Price	**$246.75**	**$121.25**	**$133.25**	**$161.25**	**$180.75**	**$210.25**	**$238.25**
Parasitology							
Ectoparasite exam	●	●	●	●	●	●	●
Endoparasite exam	●	●	●	●	●	●	●
Serology		Primary†	Clinical†	Basic†	Comprehensive†	Plus†	Global†
Microbiology		Select panel‡	Select panel‡	Select panel‡	Select panel‡	Select panel‡	Select panel‡

Mouse Necropsy Microbiology Panels

	Panel 1	Panel 2	Panel 3	Panel 4
Price	**$56.50**	**$66.25**	**$96.50**	**$212.25**
Pasteurella pneumotropica Heyl / *Rodentobacter heylii*	●	●	●	●
Pasteurella pneumotropica Jawetz / *Rodentobacter pneumotropicus*	●	●	●	●
Mycoplasma pulmonis	●	●	●	●
Salmonella spp.	●	●	●	●
Pseudomonas aeruginosa		●	●	●
Proteus mirabilis			●	●
Citrobacter rodentium			●	●
Staphylococcus aureus				●
Corynebacterium kutscheri				●
Streptococcus β-hemolytic *S.pyogenes* (Group A), *S.agalactiae* (Group B), *S.equi subsp. zooepidemicus* (Group C), *S. canis* (Group D)				●
Bordetella bronchiseptica				●
Pasteurella multocida				●
Streptobacillus moniliformis				●
Streptococcus pneumoniae				●
Klebsiella oxytoca				●
Klebsiella pneumoniae				●
Lesioned organs	●	●	●	●

† details of serology profiles see in serology testing services page 49
‡ select from microbiology/histopathology panels; additional costs occur

Necropsy Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Rat Necropsy Profiles

	Immunocompromised	Primary	Clinical	Basic	Comprehensive	Global
Price	**$239.25**	**$127.75**	**$146.25**	**$160.25**	**$196.00**	**$209.00**
Parasitology						
Ectoparasite exam	●	●	●	●	●	●
Endoparasite exam	●	●	●	●	●	●
Serology		Primary†	Clinical†	Basic†	Comprehensive†	Global†
Microbiology		Select panel‡	Select panel‡	Select panel‡	Select panel‡	Select panel‡

Rat Necropsy Microbiology Panels

	Panel 1	Panel 2	Panel 3	Panel 4
Price	**$56.50**	**$73.75**	**$77.00**	**$193.75**
Pasteurella pneumotropica Heyl / *Rodentibacter heylii*	●	●	●	●
Pasteurella pneumotropica Jawetz / *Rodentibacter pneumotropicus*	●	●	●	●
Mycoplasma pulmonis	●	●	●	●
Salmonella spp.	●	●	●	●
Streptococcus pneumoniae		●	●	●
Corynebacterium kutscheri			●	●
Pseudomonas aeruginosa			●	●
Streptococcus β-hemolytic *S.pyogenes* (Group A), *S.agalactiae* (Group B), *S.equi subsp. zooepidemicus* (Group C), *S. canis* (Group D)				●
Bordetella bronchiseptica				●
Klebsiella oxytoca				●
Klebsiella pneumoniae				●
Proteus mirabilis				●
Pasteurella multocida				●
Staphylococcus aureus				●
Streptobacillus moniliformis				●
Lesioned organs	●	●	●	●

† details of serology profiles see in serology testing services page 52
‡ select from microbiology/histopathology panels; additional costs occur

Necropsy Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Sample Information

Notification of live animal shipment prior to submission is not mandatory, however, advanced scheduling will ensure that your animals arrive safely. Please notify us if the shipment is over 50 animals.

Preparation for shipping live animals:

- Animal shipping boxes should be purchased from outside vendors, IDEXX BioAnalytics does not supply animal shipping boxes.
- Animals should be shipped with a gel pack for hydration and a small amount of food pellets in the box.
- Animals should be shipped with a good layer of bedding in the box.
- Animals should be noticeably identified for our lab; i.e. ear tags, or a mark on the tail with a permanent marker. Even with a separator in the box, animals should be identified to ensure animals are tested accurately.

Animal Shipment:

- Clients will need to source their courier or shipping vendor of choice.
- Animals should be shipped Monday-Wednesday to arrive by Thursday at the latest to ensure animals are not held in transit over the weekend.

For further information on shipping live animals consult our CSS team.

Turnaround Times

Results turnaround is 5 business days after receipt of samples, not including the addition of histology service add-ons. Results reports are delivered by email and are also available via the secure, online client portal.

Microbiology Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Expect today's fastest and most accurate identification of microbes, with MALDI-TOF mass spectrometry (MS)

- Faster turnaround time
- Extensive and still-expanding database of agents
- Expanded offerings for bacterial and fungal agents

The identification and analysis of microorganisms have long been an integral part of IDEXX BioAnalytics' comprehensive diagnostic services offering. Using MALDI-TOF MS, we deliver faster and more accurate identification.

General

Agent	Price
Individual Aerobic Culture for 1 Species	**$29.50**
Individual Anaerobic Culture for 1 Species	**$44.50**
Aerobic Culture and ID-Bacteria Only	**$63.00**
Aerobic Culture and ID-Bacteria and Fungi	**$66.25**
Anaerobic Culture and ID-Bacteria Only	**$87.75**
Aerobic Culture and ID-Fungi Only	**$63.00**
Aerobic and Anaerobic Culture, ID-Bacteria Only	**$99.75**
Aerobic and Anaerobic Culture, ID-Bacteria and Fungi	**$123.50**
ID of Bacterial isolate in pure culture by MALDI-TOF	**$33.75**
ID of Fungal isolate in pure culture by MALDI-TOF	**$41.50**
Bacterial ID by Genetic Sequence Analysis	**Call**
Fungal ID by Genetic Sequence Analysis	**Call**
Antibiotic Sensitivity	**$58.50**

Water (Drinking water, aquatic animal water, floodwater)

Agent	Price
Individual Aerobic Culture for 1 Species	**$29.50**
Individual Anaerobic Culture for 1 Species	**$44.50**
Aerobic Culture and ID-Bacteria Only	**$134.25**
Aerobic Culture, ID and Colony Count by Species-Bacteria Only	**$100.75**
Aerobic Culture, ID and Colony Count by Species-Total Coliforms	**$141.75**
Aerobic Culture and ID-Bacteria and Fungi	**$162.25**
Aerobic Culture, ID and Colony Counts-Bacteria and Fungi	**$116.00**
Aerobic Culture, ID and Colony Count by Species-Bacteria and Fungi	**$180.75**
Aerobic and Anaerobic Culture, ID and Colony Count by Species-Bacteria and Fungi	**$270.50**

Microbiology Testing Services

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Environmental

Agent	Price
Individual Aerobic Culture for 1 Species	**$29.50**
Individual Anaerobic Culture for 1 Species	**$44.50**
RODAC plate count	**$14.50**
RODAC plate count with ID of Bacterial	**$60.75**
Aerobic Culture and ID-Bacteria Only	**$63.00**
Anaerobic Culture and ID-Bacteria Only	**$87.75**
Aerobic Culture and ID-Bacteria and Fungi	**$66.25**
Aerobic and Anaerobic Culture, ID-Bacteria Only	**$99.75**
Aerobic and Anaerobic Culture, ID-Bacteria and Fungi	**$123.50**

Sample Information

Oral Swab Collection (for Microbiology Testing)

- Sample Collection: Obtain a small wire shaft culture swab with Aimies gel transport medium without charcoal (e.g. Becton Dickenson BBL CultureSwab Plus with Amies Gel medium without charcoal for aerobic organisms. BBL cat. # 220118; Fisher Scientific cat. # L4320118). Manually restrain the animal and swab the oral cavity.
- Sample Handling & Storage: Please always keep sample refrigerated and only for a limited time before shipment.
- Sample Shipment: Securely place the swab in the transport medium. Send the culture swabs in transport medium by overnight courier in an insulated container on ice packs, making sure that there is insulation (e.g. bubble pack) between the ice packs and the culture swabs so the swabs do not freeze.

Anaerobic and Fastidious Bacterial Swab (for Microbiology Testing)

- Sample Collection: Obtain a culture swab designed for the collection and transport of anaerobic and fastidious organisms (e.g Becton Dickenson BBL ESwab Collection Kit. BBL cat.# 220245; Fisher Scientific cat.#22-349-700). Collect the specimen with the swab. Aseptically unscrew and remove the cap from the transport tube. Insert the swab into the transport tube and break the swab shaft at the indicated breakpoint. Replace the cap and screw the cap on tightly.
- Sample Handling & Storage: Please always keep sample refrigerated and only for a limited time before shipment.
- Sample Shipment: Send the culture swabs by overnight courier in an insulated container on ice packs, making sure that there is insulation (e.g. bubble pack) between the ice packs and the culture swabs so the swabs do not freeze.

Feces Collection (for Microbiology Testing)

- Sample Collection: Fecal pellets should be collected aseptically and placed in individually labeled sterile tubes. If testing individual animals, submit fecal pellets from each animal. Two to three pellets per animal is adequate. If collecting fecal pellets from multiple animals, gloves should be changed, and forceps replaced between animals to prevent cross-contamination. Alternatively, forceps can be wiped clean and immersed in diluted bleach (10%) solution for 10 minutes prior to reuse.
- Sample Handling: Fecal samples should be stored in the refrigerator until ready to send.
- Sample Shipment: Send the tubes by overnight courier in an insulated container on ice packs, making sure that there is insulation (e.g. bubble pack) between the ice packs and the culture swabs so the feces do not freeze.

Turnaround Times

Results turnaround is 10–14 business days after receipt of samples. You will receive an automated PDF with results.

Diagnostic Pathology Services

Your source for accurate and timely reports on diagnostic investigations involving intervention and disease management. Our team of experienced comparative pathologists is knowledgeable in normative biology and diseases of a wide variety of research models, giving us a base of information from which to evaluate the cause(s) of clinical disease as well as unexpected research results. For submissions that qualify for diagnostic-only analysis include nonstudy-related moribund animal tissue processing/ evaluation and biopsies.

Pricing and Profile offerings may change as we continue to expand our diagnostic portfolio and special pricing options may be available, for additional information please ask us.

Histology Diagnostic–Only Services	Price
Includes: • Diagnostic Histology services to clients who require occasional nonstudy-related specimens that require a diagnostic-only level of analysis. This service provides a pathologist-generated diagnostic report, rather than a research report. • Examination and subgross trimming of fixed tissues. Trimmed tissues are paraffin-embedded, sectioned and stained with hematoxylin and eosin. Some diagnoses require additional testing with selective histochemical or immunohistochemical methods. In these cases, the pathologist will contact you to discuss the value and associated costs of performing these additional tests. Histologic changes in the tissues are interpreted and a diagnostic report is prepared.	**Call**

Sample Information

Consult with us to help determine the best collection and shipping protocol.

- Sample Collection: Place tissues in formalin for at least 24 hours before shipment. Tissue to formalin ratio should be 1 to 20 for proper fixation. Tissues such as lung, brain, bone marrow and spinal cord have specialized collection protocols.
- Sample Handling & Storage: Make sure tissues are not tightly packed in jars or cassettes. Smaller tissues can be placed in a cassette or submitted attached to surrounding organs. Label cassettes with a pencil. Even indelible ink will fade during processing. To preserve sample integrity and prevent leakage samples should be triple-bagged with each layer tied, knotted or secured individually.
- Sample Shipment: Tissues can be shipped in 70% alcohol or formalin. Store fixed samples at room temperature.

Turnaround Times

Results turnaround is 10 business days after receipt of samples. Results reports are delivered by email and are also available via the secure, online client portal.

Altered Schaedler Flora Bacteria Detection

Altered Schaedler Flora Profile	Price
Clostridium sp. ASF 356 / ASF 502 *Lactobacillus intestinalis* ASF 360 *Lactobacillus murinus* ASF 361 *Mucispirillum schaedleri* ASF 457 *Eubacterium plexicaudatum* ASF 492 *Pseudoflavorifactor* sp. ASF 500 *Parabacteroides goldsteinii* ASF 519	**$ 177.75**

Sample Information

Feces (F) Collection (for PCR Testing)

- Sample Collection: Fecal pellets for PCR evaluation should be collected with clean gloves or sterile forceps and placed in individually labeled sterile tubes. If testing individual mice/rats, submit fecal pellets from each animal. Two to three pellets per animal are adequate.
- Pooling Information: If multiple animals of the same microbiologic status are being evaluated, up to 10 fecal pellets can be pooled and tested as one sample. If collecting fecal pellets from multiple animals, gloves should be changed, and forceps replaced between animals to prevent cross-contamination. Alternatively, forceps can be wiped clean and immersed in diluted bleach (10%) solution for 10 minutes prior to reuse.
- Sample Handling & Storage: Fecal samples are stable and can be held at room temperature if packaged the same day for shipping or stored in the refrigerator until ready to send. For long-term storage, samples can be frozen.
- Sample Shipment: Place labeled sample tubes in a cardboard mailer or box and ship overnight to our laboratory. Samples can be shipped at ambient temperature or on ice packs.

Turnaround Times

Results turnaround is 13-15 business days after receipt of samples. Results reports are delivered by email and are also available via the secure, online client portal.

Germ-Free Animal Monitoring

Easy one-sample submission. Customized germ-free profiles are also available

Germ-Free Complete Profile	Price
Generic bacterial 16S rDNA PCR assay paired with sterility testing with anaerobic culture • Detects both non-cultivable and cultivable bacteria • Detects fungi • Provides IDs for bacteria found by MALDI-TOF MS	**$249.00**

Sample Information

Feces (F) Collection

- Sample Collection: Fecal pellets should be collected aseptically and placed in individually labeled sterile tubes. If testing individual mice/rats, submit fecal pellets from each animal. Two to three pellets per animal is adequate. If collecting fecal pellets from multiple animals, gloves should be changed and forceps replaced between animals to prevent cross-contamination. Alternatively, forceps can be wiped clean and immersed in diluted bleach (10%) solutionfor 10 minutes prior to reuse.
- Sample Handling: Fecal samples should be stored in the refrigerator until ready to send.
- Sample Shipment: Place labeled sample tubes in a polystyrene box and ship overnight to our laboratory. Samples should be shipped on ice packs.

Turnaround Times

Results turnaround is 13–15 business days after receipt of samples. You will receive an automated PDF with results. Raw data without interpretation will be sent.

Microbiome Analysis

Reduce research variables by gaining a deeper insight into your animal's Microbiome with state-of-the-art analysis and data comparison.

Microbiome Analysis	Price
Includes: • DNA isolation–from all bacteria in the sample • Deep sequencing–generates 200–500 megabases of sequence • Data comparison and analysis–our bioinformatics produces a comparative analysis to known bacterial sequences • Bacterial Identification–identifies all bacteria present and their relative abundance	**$456.00**

Sample Information

Mouse/Rat Fecal Sample Collection

- Sample Collection: Use sterile toothpicks, autoclaved microisolator cages (completely empty), sterile 5 mL tubes. Pre-label tube (one per mouse/rat) with Sample ID (minimum) and treatment group, if applicable; any other metadata you would like associated with the sample. Place individual animal in empty autoclaved cage (no bedding). Allow mouse/rat to defecate normally and collect the first two faecal pellets per animal into an empty 5 mL tube using a sterile toothpick. Close tube securely. Discard toothpick after each animal. Place tube containing faecal pellets in -80°C freezer **IMMEDIATELY**.
- Sample Storage: Maintain samples at -80°C until ready to ship. Samples may remain at -80°C for extended periods.
- Sample Shipment: Ship samples overnight with sufficient dry ice (minimum of 5kg for 2-3-day transport time) to ensure the samples stay frozen.

Note: We recommend collection of all samples at the same time of day, preferably in the morning, as the microbiome content varies over the course of the day.

Turnaround Times

Results turnaround is 4 weeks after receipt of samples. You will receive an USB datastick with results as well as a link to a DropBox folder if preferred.

IDEXX BIOANALYTICS

Getting Started

Sample collection kit request

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Check out IDEXX BioAnalytics' **Welcome Portal**. Here you will find even more detailed information on how to start, collect and submit samples, and request access to our client portal.

You can also reach out to our Client Support Service team and/or set a meeting with your local account manager. This is a great first step in partnering with IDEXX BioAnalytics.

Your Account Manager will:

- Assist with quote proposals and pricing
- Provide ongoing staff training and support
- Keep you up-to-date on new products, services or industry trends

Support

Our Client Support Services (CSS) team is available to answer phone calls and emails Monday through Friday 8:00 am ET–8:00 pm ET. They can be reached at:

Client Support Services
1-800-669-0825
IDEXXBioAnalytics@IDEXX.com

The CSS team can help you with:

- Account setup and sample submission
- Checking the status of a current submission
- Billing inquiries
- Requesting collection supplies
- Any other questions regarding our services

Test Options and Volumes

For pooling advice please look up details in the In-Depth Testing Information section or contact your Account Manager or CSS team.

Supplies

IDEXX BioAnalytics can provide sampling, packing and shipping material. You can send a request for supplies to CSS or order right from our **Welcome Portal**.

Submission Process

If you're ready to submit, you can fill out the **New Client Registration form** on our website. This will provide all the information needed to the CSS to get your account set up.

After receiving your login credentials, you'll be able to set up your submission paperwork **online**. Please see our website tutorials for how the system works. After you've completed the submission, please place a copy of the submission form confirmation in your shipping container. This helps expedite the sample check-in process and assures that your samples can be immediately moved to the lab to begin processing.

IDEXX BIOANALYTICS

Getting Started

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

General Submission Information

Proper specimen labeling is critical

- Proper labeling helps ensure accuracy in testing
- Please pool samples at your site
- Remove any other material, such as bedding, from feces for PCR testing
- Use sampling and shipping material provided by IDEXX BioAnalytics and follow instructions on how to use supplies
- Do not cover the entire specimen tube with a label, as this will prevent the technologist from assessing the specimen
- Always submit the submission confirmation form for online submissions with your specimens

Final preparation of samples for shipping and delivery

Your samples should be in zip lock bags or sample boxes and inside a box or shipping container, packed with filler material to prevent samples from jostling around. The submission confirmation form should be inside the container. Samples should be on gel packs or dry ice depending upon specific needs; no wet ice please.

Shipping

Please contact FedEx for pick-up services specifics and proper shipping and transport packaging for your area at 1-800-GOFEDEX.

Label the outside of all boxes with the following:

To IDEXX BioAnalytics

From (Your Company Name)

Do not send specimens for Biological Materials to the Preclinical Service Lab locations.

Results Delivery Options

We provide results by email. Our TAT depends on performed tests, please check details in In-depth section Additionally, you will have access to our **online portal** to access your results. Final PDFs are sent out when all testing on an accession is completed.

Individual sample reports or multi-sample reports

IDEXX BioAnalytics provides you by default a multi-sample/animal PDF file report, containing all samples and animal on one document. We are able to provide you with individual reports separated per animal.

The CSS team can help you make any adjustments to your result distribution preferences.

IDEXX BIOANALYTICS

North America Lab Locations

Animal Health Monitoring, Biological Materials Testing, and Histology Lab Services

Columbia, MO

IDEXX BioAnalytics
4011 Discovery Drive
Columbia, MO 65201

Customer Service

1-800-669-0825
idexxbioanalytics@idexx.com
Monday–Friday
8:00 am–8:00 pm ET

IDEXX BIOANALYTICS

Europe Lab Locations

Animal Health Monitoring, Biological Materials Testing, Histology Lab Services, and Research Pathology Lab Services

Visiting Address

IDEXX GmbH
IDEXX BioAnalytics
Humboldtstraße 2
D-70806 Kornwestheim
Germany

Delivery Address

IDEXX GmbH
IDEXX BioAnalytics
Im Moldengraben 65
D-70806 Kornwestheim
Germany

Customer Service

Austria	+49 (0) 7154 17 50 585	**Netherlands**	+31 (0) 2355 87 585
Czech Republic	+49 (0) 7154 17 50 585	**Norway**	+44 (0) 193 75 44 023
Denmark	+44 (0) 193 75 44 023	**Poland**	+49 (0) 7154 17 50 585
Finland	+44 (0) 193 75 44 023	**Portugal**	+34 (0) 9326 72 813
France	+33 (0) 1492 18 346	**Spain**	+34 (0) 9326 72 813
Germany	+49 (0) 7154 17 50 585	**Sweden**	+44 (0) 193 75 44 023
Ireland	+44 (0) 193 75 44 023	**Switzerland**	+41 (0) 319 70 6270
Israel	+33 (0) 1492 18 346	**UK**	+44 (0) 193 75 44 023
Italy	+34 (0) 9326 72 813	**Other**	+49 (0) 7154 17 50 585

idexxbioanalytics-europe@idexx.com
Monday–Friday
8:30 am–16:00 pm CET

QUICK JUMP TO

→ Table of Contents

Biological Testing

QUICK JUMP TO

→ Quick Reference

→ In-Depth Testing Information (Listing of Profiles & Pricing)

→ Resources

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Test listing by species	Price	Page
CANINE Biological Materials Testing		
Canine genetic contamination		
CellCheck™ Canine	**$226.25**	85
CellCheck™ Canine PLUS *Mycoplasma*	**$265.50**	85
Interspecies Contamination ONLY	**$129.75**	86
Interspecies Contamination ONLY PLUS.	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86
Interspecies Contamination ONLY PLUS – Add on species		
Canine microbial contamination		
Cell Line Sterility Profile 1 - Direct inoculation	**$139.00**	86
Cell Line Sterility Profile 1 and Anaerobic Culture	**$183.50**	86
Cell Line Sterility Profile 1 and *Mycoplasma* spp. PCR Assay	**$219.25**	86
STAT-Myco (*Mycoplasma* spp.)	**$87.50**	85
HUMAN Biological Materials Testing		
Human genetic contamination		
CellCheck™ 9 - human.	**$190.00**	85
CellCheck™ 9 PLUS *Mycoplasma*.	**$225.25**	85
CellCheck™ 16 - human.	**$270.00**	85
CellCheck™ 16 PLUS *Mycoplasma*.	**$304.25**	85
Interspecies Contamination ONLY.	**$129.75**	86
Interspecies Contamination ONLY PLUS.	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86
Interspecies Contamination ONLY PLUS – Add on species		
Human microbial contamination		
Cell Line Sterility Profile 1 - Direct inoculation	**$139.00**	86
Cell Line Sterility Profile 1 and Anaerobic Culture	**$183.50**	86
Cell Line Sterility Profile 1 and *Mycoplasma* spp. PCR Assay.	**$219.25**	86
h-IMPACT™ 1	**$799.75**	84
h-IMPACT™ 2	**$367.00**	84
h-IMPACT™ 3	**$367.00**	84
h-IMPACT™ oncogenic	**$279.75**	84
h-IMPACT™ comprehensive	**$911.50**	84
STAT-Myco (*Mycoplasma* spp.)	**$87.50**	84
Human microbial + genetic contamination		
h-IMPACT™ comprehensive + CellCheck™ 9	**Call**	
h-IMPACT ™ comprehensive + CellCheck™ 16	**Call**	
MOUSE Biological Materials Testing		
Mouse genetic contamination		
CellCheck™ Mouse 19	**$226.25**	85
CellCheck™ Mouse 19 PLUS *Mycoplasma*	**$265.50**	85
Interspecies Contamination ONLY	**$129.75**	86
Interspecies Contamination ONLY PLUS	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86
Interspecies Contamination ONLY PLUS – Add on species		
Mouse microbial contamination		
Cell Line Sterility Profile 1 - Direct inoculation	**$139.00**	86
Cell Line Sterility Profile 1 and Anaerobic Culture	**$183.50**	86
Cell Line Sterility Profile 1 and *Mycoplasma* spp. PCR Assay	**$219.25**	86
IMPACT™ FELASA Mouse	**$569.25**	82
IMPACT™ 1 (Mouse)	**$740.75**	82
IMPACT™ 2 (Mouse)	**$592.75**	82
IMPACT™ 3 (Mouse)	**$523.50**	82
IMPACT™ 4 (Mouse)	**$293.25**	82
IMPACT™ 8 (Mouse / Rat Comprehensive)	**$937.25**	83
IMPACT™ SC (Mouse)	**$223.75**	82
STAT-Myco (*Mycoplasma* spp.)	**$87.50**	85
Human microbial + genetic contamination		
IMPACT™ 1 + CellCheck™ Mouse 19	**Call**	

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Test listing by species	Price	Page
RAT Biological Materials Testing		
Rat genetic contamination		
CellCheck™ Rat	**$226.25**	85
CellCheck™ Rat PLUS *Mycoplasma*	**$265.50**	85
Interspecies Contamination ONLY	**$129.75**	86
Interspecies Contamination ONLY PLUS	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86
Interspecies Contamination ONLY PLUS – Add on species		
Rat microbial contamination		
Cell Line Sterility Profile 1 - Direct inoculation	**$139.00**	86
Cell Line Sterility Profile 1 and Anaerobic Culture	**$183.50**	86
Cell Line Sterility Profile 1 and Mycoplasma spp. PCR Assay	**$219.25**	86
IMPACT™ FELASA Rat	**$527.00**	82
IMPACT™ 5 (Rat)	**$527.00**	82
IMPACT™ 6 (Rat)	**$470.00**	82
IMPACT™ 8 (Mouse / Rat Comprehensive)	**$937.25**	83
STAT-Myco (*Mycoplasma* spp.)	**$87.50**	85

Test listing alphabetical	Price	Page
A		
Adeno-associated virus (AAV)	**$87.50**	84
B		
BK polyomavirus (BKPyV)	**$87.50**	84
C		
Cell Line Authentication		
CellCheck™ 9 - human	**$190.00**	85
CellCheck™ 9 PLUS *Mycoplasma*	**$225.25**	85
CellCheck™ 16 - human	**$270.00**	85
CellCheck™ 16 PLUS *Mycoplasma*	**$304.25**	85
CellCheck™ Canine	**$226.25**	85
CellCheck™ Canine PLUS *Mycoplasma*	**$265.25**	85
CellCheck™ Mouse 19	**$226.25**	85
CellCheck™ Mouse 19 PLUS *Mycoplasma*	**$265.50**	85
CellCheck™ Rat	**$226.25**	85
CellCheck™ Rat PLUS *Mycoplasma*	**$265.50**	85
CO1 DNA Barcoding	**$274.25**	86
Interspecies Contamination ONLY	**$129.75**	86
Interspecies Contamination ONLY PLUS	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86
Interspecies Contamination ONLY PLUS – Add on species		
Corynebacterium bovis	**$87.50**	82
Corynebacterium spp. (HAC2)	**$87.50**	82
E		
Ectromelia virus	**$87.50**	82
Epstein-Barr virus (EBV)	**$87.50**	84
H		
Hamster parvovirus	**$87.50**	83
Hantaan virus	**$87.50**	84
Hantaviruses (Hantaan, Seoul, Sin Nombre viruses)	**$87.50**	84
Helicobacter spp.	**$87.50**	82
Hepatitis virus A	**$87.50**	84
Hepatitis virus B	**$87.50**	84
Hepatitis virus C	**$87.50**	84
Hepatitis virus E	**$87.50**	84
Human IMPACT™ Profiles		
h-IMPACT™ 1	**$799.75**	84
h-IMPACT™ 2	**$367.00**	84
h-IMPACT™ 3	**$367.00**	84
h-IMPACT™ oncogenic	**$279.75**	84
h-IMPACT™ comprehensive	**$911.50**	84

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Test listing alphabetical	Price	Page
Human adenovirus (HAdV)	**$87.50**	84
Human betaherpesvirus 7 (HHV-7)	**$87.50**	84
Human cytomegalovirus (HCMV)	**$87.50**	84
Human foamy virus (HFV)	**$87.50**	84
Human herpes simplex 1 (HSV-1)	**$87.50**	84
Human herpes simplex 2 (HSV-2)	**$87.50**	84
Human herpes virus 6 (HHV-6)	**$87.50**	84
Human herpes virus 8 (HHV-8)	**$87.50**	84
Human immunodeficiency virus 1 (HIV1)	**$87.50**	84
Human immunodeficiency virus 2 (HIV2)	**$87.50**	84
Human papillomavirus 16 (HPV 16)	**$87.50**	84
Human papillomavirus 18 (HPV 18)	**$87.50**	84
Human T-lymphotropic virus 1 (HTLV1)	**$87.50**	84
Human T-lymphotropic virus 2 (HTLV2)	**$87.50**	84
I		
IMPACT™ Profiles		
IMPACT™ FELASA Mouse	**$569.25**	82
IMPACT™ FELASA Rat	**$527.00**	82
IMPACT™ 1 (Mouse)	**$740.75**	82
IMPACT™ 2 (Mouse)	**$592.75**	82
IMPACT™ 3 (Mouse)	**$523.50**	82
IMPACT™ 4 (Mouse)	**$293.25**	82
IMPACT™ 5 (Rat)	**$527.00**	82
IMPACT™ 6 (Rat)	**$470.00**	82
IMPACT™ 7 (Hamster)	**$470.00**	83
IMPACT™ 8 (Mouse / Rat Comprehensive)	**$937.25**	83
IMPACT™ SC (Mouse)	**$223.75**	82
Interspecies Contamination ONLY	**$129.75**	86
Interspecies Contamination ONLY PLUS	**$169.25**	86
Interspecies Contamination ONLY – Add on species	**$32.00**	86

Test listing alphabetical	Price	Page
Interspecies Contamination ONLY PLUS – Add on species		
J		
JC polyomavirus (JCPyV)	**$87.50**	84
K		
K virus	**$87.50**	82
Kilham's rat virus (KRV)	**$87.50**	82
L		
Lactate dehydrogenase-elevating virus (LDV)	**$87.50**	82
Lymphocytic choriomeningitis virus (LCMV)	**$87.50**	82
M		
Merkel cell polyomavirus (MCPyV)	**$87.50**	82
Mouse kidney parvovirus (MKPV)	**$87.50**	82
Minute virus of mice (MVM)	**$87.50**	82
Mouse adenovirus type 1 (FL) (MAV1)	**$87.50**	82
Mouse adenovirus type 2 (K87) (MAV2)	**$87.50**	82
Mouse cytomegalovirus (MCMV)	**$87.50**	82
Mouse hepatitis virus (MHV)	**$87.50**	82
Mouse parvovirus (MPV1-5)	**$87.50**	82
Mouse polyomavirus	**$87.50**	82
Mouse rotavirus (EDIM)	**$87.50**	82
Mouse thymic virus (MTV)	**$87.50**	82
Murine astrovirus1 (MuAstV1)	**$87.50**	82
Murine norovirus (MNV)	**$87.50**	82
Mycoplasma pulmonis	**$87.50**	82
Mycoplasma spp.	**$87.50**	82
Mycoplasma Testing		
STAT-Myco (*Mycoplasma* spp.)	**$87.50**	85
P		
Parvovirus B19 (B19)	**$87.50**	84
Pneumonia virus of mice (PVM)	**$87.50**	82

Quick Reference

For even more IDEXX BioAnalytics tests visit **idexxbioanalytics.com**

Test listing alphabetical	Price	Page
R		
Rat coronavirus (RCV)	**$87.50**	82
Rat cytomegalovirus (RCMV)	**$87.50**	82
Rat minute virus (RMV)	**$87.50**	82
Rat parvovirus (RPV)	**$87.50**	82
Rat theilovirus (RTV)	**$87.50**	82
Reovirus type 3 (REO3)	**$87.50**	82
S		
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV 2)†	**$87.50**	
Sendai virus	**$87.50**	82
Seoul virus	**$87.50**	84
Sialodacryoadenitis virus (SDAV)	**$87.50**	82
SV40 polyomavirus (SV40)	**$87.50**	82
Sterility Testing		
Biologics Sterility Profile 1 - Direct inoculation	**$139.00**	86
Biologics Sterility Profile 1 and Anaerobic Culture	**$183.50**	86
Biologics Sterility Profile 1 and *Mycoplasma* spp. PCR Assay	**$219.25**	86
T		
Theiler's murine encephalomyelitis virus (TMEV)	**$87.50**	82
Toolan's H-1 virus (H-1)	**$87.50**	82
Treponema pallidum (Syphilis)	**$87.50**	84
V		
Varicella virus (VZV)	**$87.50**	84

† For research purpose only

IMPACT™ Rodent Pathogen Testing

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

IMPACT™ cell lines and biological testing for murine pathogens offers molecular diagnostic (PCR) assays to aid in the detection of viral agents and Mycoplasma in biologic specimens. Many types of biological material can be infected with murine or human pathogens that can pose a risk of disease outbreaks in animal facilities. Contaminated specimens can also introduce unwanted research variables.

IMPACT™ Mouse

	IMPACT™ 1	IMPACT™ 2	IMPACT™ 3	IMPACT™ 4	IMPACT™ SC	IMPACT™ FELASA
Price	**$740.75**	**$592.75**	**$523.50**	**$293.25**	**$223.75**	**$569.25**
Mycoplasma spp.	●	●	●	●	●	●
Mycoplasma pulmonis	●	●	●	●	●	●
Mouse hepatitis virus (MHV)	●	●	●	●	●	●
Minute virus of mice (MVM)	●	●	●	●	●	●
Mouse parvovirus (MPV1-5)	●	●	●	●	●	●
Theiler's murine encephalomyelitis virus (TMEV)	●	●	●	●	●	●
Sendai virus	●	●	●	●		●
Pneumonia virus of mice (PVM)	●	●	●	●		●
Murine norovirus (MNV)	●	●	●			●
Reovirus 3 (REO3)	●	●	●			●
Mouse rotavirus (EDIM)	●	●	●			●
Ectromelia virus	●	●	●			●
Lymphocytic choriomeningitis virus (LCMV)	●	●	●			●
Polyomavirus	●	●	●			
Lactate dehydrogenase-elevating virus (LDEV)	●	●	●			
Mouse adenovirus (MAV1)	●	●				●
Mouse adenovirus (MAV2)	●	●				●
Mouse cytomegalovirus (MCMV)	●	●				
K virus	●					
Mouse thymic virus (MTV)	●					
Hantaan virus	●					
Corynebacterium bovis	●					●
Corynebacterium spp. (HAC2)	●					●
Mouse kidney parvovirus (MKPV)	●					

IMPACT™ Rat

	IMPACT™ 5	IMPACT™ 6	IMPACT™ FELASA
Price	**$527.00**	**$470.00**	**$527.00**
Mycoplasma spp.	●	●	●
Mycoplasma pulmonis	●	●	●
Pneumonia virus of mice (PVM)	●	●	●
Kilham's rat virus (KRV)	●	●	●
Toolan's H-1 virus	●	●	●
Rat parvovirus (RPV)	●	●	●
Rat minute virus (RMV)	●	●	●
Lymphocytic choriomeningitis virus (LCMV)	●	●	
Rat cytomegalovirus (RCMV)	●	●	
Sendai virus	●	●	●
Rat coronavirus (RCV)	●	●	●
Sialodacryoadenitis virus (SDAV)	●	●	●
Seoul virus	●		●
Mouse adenovirus (MAV1)	●		●
Mouse adenovirus (MAV2)	●		●
Reovirus 3 (REO3)	●		●
Rat theilovirus (RTV)	●		●
Corynebacterium bovis			●
Corynebacterium spp. (HAC2)			●

IMPACT™ Rodent Pathogen Testing

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

IMPACT™ Hamster

	IMPACT™ 7
Price	**$470.00**
Mycoplasma spp.	•
Mycoplasma pulmonis	•
Pneumonia virus of mice (PVM)	•
Kilham's rat virus (KRV)	•
Toolan's H-1 virus	•
Hamster parvovirus (HaPV)	•
Minute virus of mice (MVM)	•
Lymphocytic choriomeningitis virus (LCMV)	•
Theiler's murine encephalomyelitis virus (TMEV)	•
Sendai virus	•
Reovirus 3 (REO3)	•
Hantaan virus	•

IMPACT™ Mouse / Rat Comprehensive

	MPACT™ 8
Price	**$937.25**
Mycoplasma spp.	•
Mycoplasma pulmonis	•
Sendai virus	•
Mouse hepatitis virus (MHV)	•
Pneumonia virus of mice (PVM)	•
Minute virus of mice (MVM)	•
Mouse parvovirus (MPV1-5)	•
Murine norovirus (MNV)	•
Reovirus 3 (REO3)	•

	MPACT™ 8
Price	**$937.25**
Mouse rotavirus (EDIM)	•
Ectromelia virus	•
Lymphocytic choriomeningitis virus (LCMV)	•
Polyomavirus	•
K virus	•
Mouse adenovirus (MAV1)	•
Mouse adenovirus (MAV2)	•
Mouse cytomegalovirus (MCMV)	•
Lactate dehydrogenase-elevating virus (LDEV)	•
Mouse thymic virus (MTV)	•
Hantaan virus	•
Kilham's rat virus (KRV)	•
Toolan's H-1 virus	•
Rat parvovirus (RPV)	•
Rat cytomegalovirus (RCMV)	•
Rat coronavirus (RCV)	•
Rat minute virus (RMV)	•
Rat theilovirus (RTV)	•
Sialodacryoadenitis virus (SDAV)	•
Seoul virus	•
Theiler's murine encephalomyelitis virus (TMEV)	•
Corynebacterium bovis	•
Corynebacterium spp. (HAC2)	•
Mouse kidney parvovirus (MKPV)	•

h-IMPACT™ Human Pathogen Testing

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Contamination of cell lines and tumors with human pathogens can pose significant health risks to personnel and can introduce unwanted variables to your research. h-IMPACT™ PCR-based testing ensures your biological materials are safe to be handled.

h-IMPACT™ Human

	h-IMPACT™ 1	h-IMPACT™ 2	h-IMPACT™ 3	h-IMPACT™ oncogenic	h-IMPACT™ comprehensive
Price	**$799.75**	**$367.00**	**$367.00**	**$279.75**	**$911.50**
Mycoplasma spp.	●	●	●	●	●
Human immunodeficiency virus 1 (HIV1)	●	●	●		●
Human immunodeficiency virus 2 (HIV2)	●	●	●		●
Human T-lymphotropic virus 1 (HTLV1)	●	●		●	●
Human T-lymphotropic virus 2 (HTLV2)	●	●			●
Hepatitis virus A	●	●	●		●
Hepatitis virus B	●	●	●	●	●
Hepatitis virus C	●	●	●	●	●
Hantaan virus	●		●		●
Seoul virus	●		●		●
Sin Nombre virus	●		●		●
Corynebacterium bovis	●				●
Corynebacterium spp. (HAC2)	●				●
Herpes simplex 1 (HSV 1)	●				●
Herpes simplex 2 (HSV 2)	●				●
Human cytomegalovirus (HCMV)	●				●
Human herpes virus 6 (HHV 6)	●				●
Human herpes virus 8 (HHV 8)	●			●	●
Human adenovirus (HAdV)	●				●
Human papillomavirus 16 (HPV)	●			●	●
Human papillomavirus 18 (HPV)	●			●	●
Lymphocytic choriomeningitis virus (LCMV)	●				●
Varicella virus (VZV)	●				●
Epstein-Barr virus (EBV)	●			●	●
Treponema pallidum (Syphilis)	●				●
Adeno-associated virus (AAV)				●	●
BK polyomavirus (BKPyV)				●	●
Human betaherpesvirus 7 (HHV-7)					●

	h-IMPACT™ 1	h-IMPACT™ 2	h-IMPACT™ 3	h-IMPACT™ oncogenic	h-IMPACT™ comprehensive
Human foamy virus (HFV)					●
JC polyomavirus (JCPyV)				●	●
Merkel cell polyomavirus (MCPyV)				●	●
Parvovirus B19 (B19)				●	●
SV40 polyomavirus (SV40)				●	●

Additional h-IMPACT™ Sample Information

Collection of material should be performed aseptically to prevent contamination of samples.

- To submit cells, cell culture or a liquid sample: Submit one cryovial containing approximately $1x10^6$ cells/vial of each biological or cultured cell sample. If limited amounts of samples are available or require evaluation, call for more information. Cells may be in the form of a pellet or in growth media, freeze media or phosphate buffered saline (PBS). For liquid samples, submit one cryovial of each sample with 0.5 mL of sample/vial.
- To submit tissue/solid tumor samples: Submit a 1.5 mL snap top or screw top tube of each sample with a minimum of 30 mg of tissue (2–3mm size fragment or larger).
- To submit antibody samples: Submit 0.5 mL antibody for testing. If optimal sample volume is not available, we recommend submission of at least the amount of antibody that will be injected into a single animal. While this amount is not considered optimal, our IMPACT™ assays are very sensitive and allow detection of 1–100 virions
- Sample shipping: Ship samples by overnight courier with sufficient ice packs or dry ice so that samples remain frozen during shipment

PCR results turnaround is 3 business days or less after receipt of samples. You will receive an automated PDF with results.

Mycoplasma Detection

Stat-Myco is a real-time PCR-based service with the highest rate of sensitivity (10^2 CFU/mL), compared to other methodologies for Mycoplasma spp. detection. Testing for this contaminant ensures the quality of your biological materials, preventing erroneous data in in vitro and in vivo studies. It can detect as few as 1–10 copies.

Test name and components	Price
***Mycoplasma* spp. PCR Testing**	**$87.50**

Additional STAT-Myco Sample Information

Collection of material should be performed aseptically to prevent contamination of samples.

- To submit cells, cell culture or a liquid sample: Submit one cryovial containing approximately $1x10^6$ cells/vial of each biological or cultured cell sample. If limited amounts of samples are available or require evaluation, call for more information. Cells may be in the form of a pellet or in growth media, freeze media or phosphate buffered saline (PBS). For liquid samples, submit one cryovial of each sample with 0.5 mL of sample/vial.
- To submit antibody samples: Submit 0.5 mL antibody for testing. If optimal sample volume is not available, we recommend submission of at least the amount of antibody that will be injected into a single animal. While this amount is not considered optimal, our Mycoplasma assay is very sensitive and allow detection of 1–10 genome copies.
- Sample shipping: Ship samples by overnight courier with sufficient ice packs or dry ice so that samples remain frozen during shipment

PCR results turnaround is 3 business days or less after receipt of samples. You will receive an automated PDF with results.

Cell Line Authentication | CellCheck™

CellCheck™ is much more than just an STR profile. It's a comprehensive cell line authentication service that utilizes STR-based DNA profiling and multiplex PCR to detect BOTH contamination and misidentification of your cell lines.

We will also provide data analysis and interpretation, along with a comparative analysis which can be run against a reference profile or in comparison to your own parental cells. We will even help you to develop a contamination recovery plan, if necessary. Cell line misidentification and contamination can put the integrity of your data at risk and can cause unnecessary use of animals.

All CellCheck™ services include:

- Interspecies contamination check for human, mouse, rat, African green monkey, and Chinese hamster
- Comparative analysis, if published profile available
- Data interpretation
- Expert consultation

Test name and components	Price	PLUS (Mycoplasma Testing) Price
CellCheck™ 9 – Human Human 9 species specific STR marker profile	**$190.00**	**$225.25**
CellCheck™ 16 – Human Establishes genetic profile using 16 human STR markers. We recommend a 16 STR marker CellCheck™ when a new cell line is established or, in any case, at the beginning of the experiment	**$270.00**	**$304.25**
CellCheck™ 19 Mouse Establishes genetic profile with 19 species specific STR markers, exceeding the published NIST 18 marker set for a higher power of discrimination	**$226.25**	**$265.50**
CellCheck™ Rat Establishes genetic profile using 31 species specific STR markers	**$226.25**	**$265.50**
CellCheck™ Canine Establishes genetic profile using 14 species specific STR markers	**$226.25**	**$265.50**

Interspecies Contamination Testing

Test name and components	Price	PLUS (Mycoplasma Testing) Price
Interspecies Contamination Only Recommended as a standalone for African green monkey and Chinese hamster	**$129.75**	**$169.25**
Interspecies Contamination Only, Add-on Species Canine, porcine and laboratory rabbit	**$32.00**	**Call**
CO1 DNA Barcoding • Confirms the cell line species of origin. • Utilizes the sequence data for approximately 660 base pair region of the mitochondrial cytochrome C oxidase subunit 1 (CO1) gene. • Compiles with American National Standards Institute (ANSI) guidelines for species identification of animal cell lines.	**$274.25**	

Additional Cell Line Authentication / Interspecies Contamination Testing Sample Information

- To submit cells: Send one cryovial (or other screw-top tube) of each sample with approximately 1x10^6 cells/vial. Cells may be in the form of a pellet or in growth media, freeze media or phosphate-buffered saline. NOTE: cells are preferred, but if DNA is high quality, it may be submitted.
- To submit tissue/solid tumor samples: Send a 1.5 mL snap top or screw top tube of each sample with a minimum of 30 mg of tissue (2–3 mm size fragment or larger).
- To submit DNA: DNA must be submitted as high quality extracted DNA (crude lysate extractions are not suitable for STR analysis). DNA needs to be submitted with a minimum of 150 ng of DNA in a minimum volume of 15 µl. Optimal concentrations submitted are preferred at >20 ng/µl. DNA concentration must be at least 10 ng/µl. NOTE: Frozen cell cultures or tissue are preferred. Submission of cells allows extraction of the DNA in our facility for optimal DNA quality and test results. Send DNA in a tube with screw top cap if available. If a snap top tube is used, secure the top with Parafilm™ before shipping. DNA samples can be shipped at room temperature. During hot weather, ship samples overnight with an ice pack to prevent exposure to excessive heat.
- Sample shipping: Ship samples by overnight courier with sufficient ice packs or dry ice so that samples remain frozen during shipment

Results turnaround is 3 business days or less after receipt of samples. You will receive an automated PDF with results.

Sterility Testing

Sterility testing can identify contaminants that pose a risk to human and animal health. Our cell line sterility testing determines if microbial contamination is present in cell lines media and other biological materials; moreover, due to the extraordinary sensitivity and large spectrum of detection, it can often provide additional information on the source of an infection; be it animals, people or other.

Test name and components	Sample type requirements	Price
Biologics Sterility Profile: Direct Inoculation Protocol • Direct inoculation on a battery of eight media, incubated for a period of 10 days • Identification of Microbial Contaminants by MALDI-TOF Mass Spectrometry	1–1.5 mL tissue culture media and cellular material (if present)	**$139.00**
Biologics Sterility Profile and Anaerobic Culture	1–1.5 mL tissue culture media and cellular material (if present)	**$183.50**
Biologics Sterility Profile and Mycoplasma spp. PCR Assay	1–1.5 mL tissue culture media and cellular material (if present)	**$219.25**

Additional Sterility Diagnostics Sample Information

The optimum sample will include both tissue culture media and cellular material (if present) because some micro-organisms are intracellular or highly cell-associated. Any remaining material is held at 4˚C during the course of incubation as a backup or possible confirmatory testing.

The inoculum size per medium is 100 µL. Submitters should submit a sample volume of 1000–1500 µL (1-1.5 mL) so that repeat testing can be performed if deemed advisable (no additional charge). 100 µL is provided to the IDEXX BioAnalytics PCR laboratory if *Mycoplasma* is requested.

When bundling biological material testing services that include Sterility Testing, microbial, and/or genetic contamination testing, please submit 2 aliquots from each sample with approximately 1x10^6 cells. Please add a notation on the submission form that 1 vial is for Sterility Testing and 1 vial is for microbial and/or genetic contamination testing.

- Sample shipping: All samples should be shipped via overnight courier, packed with adequate ice packs to maintain cool temperature and adequate insulation to prevent freezing. Ship on dry ice when cells are bank frozen.

Results turnaround is 14 business days after receipt of samples. You will receive an automated PDF with results.

IDEXX BIOANALYTICS

Getting Started

Sample collection kit request

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Check out IDEXX BioAnalytics' **Welcome Portal**. Here you will find even more detailed information on how to start, collect and submit samples, and request access to our client portal.

You can also reach out to our Client Support Service team and/or set a meeting with your local account manager. This is a great first step in partnering with IDEXX BioAnalytics.

Your Account Manager will:

- Assist with quote proposals and pricing
- Provide ongoing staff training and support
- Keep you up-to-date on new products, services or industry trends

Support

Our Client Support Services (CSS) team is available to answer phone calls and emails Monday through Friday from 8:00 am ET–8:00 pm ET. They can be reached at:

Client Support Services
1-800-669-0825
IDEXXBioAnalytics@IDEXX.com

The CSS team can help you with:

- Account setup and sample submission
- Checking the status of a current submission
- Billing inquiries
- Requesting collection supplies
- And any other questions regarding our services

Test Options and Volumes

Different samples can be accepted such as cells, tissue, solid tumor samples and more. Please look up more details in the In-Depth Testing Information section.

If the cell lines are currently banked and frozen, there is no need to culture. Send a frozen vial, on ice packs or dry ice. If you are actively working with the cell lines, please aliquot a sample of approximately 1–1.5 mL and include cellular material as well as culture media.

The optimal sample for microbial and/or genetic contamination testing is approximately $1x10^6$ cells. However, if that volume is not available, we can accept aliquots with less cells. Please consult with your CSS team.

When bundling biological material testing services that include sterility testing, microbial and/or genetic contamination testing, please submit 2 aliquots from each sample with approximately $1x10^6$ cells. Please add a notation on the submission form that 1 vial is for sterility testing and 1 vial is for microbial and/or genetic contamination testing.

Supplies

IDEXX BioAnalytics can provide sampling, packing and shipping material. You can send a request for supplies to CSS or order right from our **Welcome Portal**.

IDEXX BIOANALYTICS

Getting Started

Find real-time comprehensive information in the Client Welcome Portal: **www.idexxbioanalytics.com/welcome-portal**

Submission Process

If you're ready to submit, you can fill out the **New Client Registration form** on our website. This will provide all the information needed to the CSS to get your account set up.

After receiving your login credentials, you'll be able to set up your submission paperwork **online**. Please see our website tutorials for how the system works and ask CSS for a pdf guide/virtual training. After you've completed the submission form, please place a copy of the submission confirmation in your shipping container. This helps expedite the sample check-in process and assures that your samples can be immediately moved to the lab to begin processing.

General Submission Information

Proper specimen labeling is critical

- Proper labeling helps ensure accuracy in testing
- Do not cover the entire specimen tube with a label, as this will prevent the technologist from assessing the specimen
- Split-off tubes must be labeled appropriately
- Always submit the submission confirmation form for online submissions with your specimens.

Final preparation of samples for shipping and delivery

Your samples should be in zip lock bags or sample boxes and inside a styrofoam box or shipping container, packed with filler material to prevent samples from jostling around. The submission confirmation form should be inside the container. Samples should be on gel packs or dry ice depending upon specific needs; no wet ice please.

Shipping

Please contact FedEx for pick-up services specifics and proper shipping and transport packaging for your area at 1-800-GOFEDEX.

Label the outside of all boxes with the following:
To IDEXX BioAnalytics
From (Your Company Name)

Do not send specimens for Biological Materials to the Preclinical Service Lab locations.

Results Delivery Options

We provide results by email and our TAT varies depending on the test requested. Additionally, you will have access to our **online portal** to access your results.

Individual sample reports or multi-sample reports

- IDEXX BioAnalytics provides you by default a multi-sample/material PDF file report, containing all samples and material on one document. We are not able to provide you with individual reports separated per animal.
- Certificate of Analysis

Final reports only - Final PDFs are sent out when all testing on an accession is completed.

The CSS team can help you make any adjustments to your result distribution preferences.

IDEXX BIOANALYTICS

North America Lab Locations

Animal Health Monitoring, Biological Materials Testing, and Histology Lab Services

Columbia, MO

IDEXX BioAnalytics
4011 Discovery Drive
Columbia, MO 65201

Customer Service

1-800-669-0825
idexxbioanalytics@idexx.com
Monday–Friday
8:00 am–8:00 pm ET

IDEXX BIOANALYTICS

Europe Lab Locations

Animal Health Monitoring, Biological Materials Testing, Histology Lab Services, and Research Pathology Lab Services

Visiting Address

IDEXX GmbH
IDEXX BioAnalytics
Humboldtstraße 2
D-70806 Kornwestheim
Germany

Delivery Address

IDEXX GmbH
IDEXX BioAnalytics
Im Moldengraben 65
D-70806 Kornwestheim
Germany

Customer Service

Austria	+49 (0) 7154 17 50 585	**Netherlands**	+31 (0) 2355 87 585
Czech Republic	+49 (0) 7154 17 50 585	**Norway**	+44 (0) 193 75 44 023
Denmark	+44 (0) 193 75 44 023	**Poland**	+49 (0) 7154 17 50 585
Finland	+44 (0) 193 75 44 023	**Portugal**	+34 (0) 9326 72 813
France	+33 (0) 1492 18 346	**Spain**	+34 (0) 9326 72 813
Germany	+49 (0) 7154 17 50 585	**Sweden**	+44 (0) 193 75 44 023
Ireland	+44 (0) 193 75 44 023	**Switzerland**	+41 (0) 319 70 6270
Israel	+33 (0) 1492 18 346	**UK**	+44 (0) 193 75 44 023
Italy	+34 (0) 9326 72 813	**Other**	+49 (0) 7154 17 50 585

idexxbioanalytics-europe@idexx.com
Monday–Friday
8:30 am–16:00 pm CET

QUICK JUMP TO

→ Table of Contents

Terms & Conditions

Unless otherwise agreed in an agreement signed by IDEXX, IDEXX BioAnalytics laboratory analytical services (data collection, analysis and interpretation, and reference laboratory services) provided by IDEXX to you, the client, are subject solely to the terms and conditions stated herein (the "Standard Terms and Conditions") and in any terms appearing on the back of our invoices and billing statements to you. The Standard Terms and Conditions stated herein control in the event of any conflict. IDEXX may make changes to the Standard Terms and Conditions from time to time. When these changes are made, IDEXX will make a new copy of the Standard Terms and Conditions available on its website. You acknowledge and agree that if you use the IDEXX BioAnalytics laboratory analytical services after the date on which the Standard Terms and Conditions have changed, IDEXX will treat your use as acceptance of the updated Standard Terms and Conditions.

Confidentiality. IDEXX agrees to maintain in confidence all of your proprietary and nonpublic materials, data, reports, plans, records, technical and other information and to use such confidential information only for the purpose of performing analyses of specimens and providing reports on our findings to you. You agree to maintain in confidence all IDEXX proprietary and nonpublic materials, technical and other information that IDEXX provides to you in connection with its services. Each party shall protect the other party's confidential information by using the same degree of care, but not less than a reasonable degree of care, to prevent the unauthorized use, dissemination or publication of the confidential information as it uses to protect its own confidential information of a like nature. In any instance where information is subpoenaed by and must confidence all of your proprietary and nonpublic materials, data, reports, plans, records, technical and other information be released to a governmental agency, or is otherwise required to be disclosed pursuant to law or regulation, the other party will be promptly notified.

Payment Terms. All fees are charged or billed directly to you. Payment in advance is required for all clients except those whose credit has been established with our company. For clients with IDEXX -approved credit, our standard terms are net 60 days, after which time we reserve the right to charge a 1.5% per month late charge or the maximum amount permitted by law (if less) on all unpaid balances. Any deviation in payment terms must be agreed to in writing. IDEXX has the right to ask for payment in advance, if the established payment terms are not adhered to. IDEXX reserves the right to cease all work if you do not pay your invoice(s). If you default in payment for services rendered, you are responsible for reasonable collection and/or legal fees.

Delivery of Results. Upon timely delivery of specimens, IDEXX will use commercially reasonable efforts to meet turnaround times as agreed by the parties. IDEXX will advise you of specimens that we receive in damaged, contaminated or improperly preserved condition or that do not meet the specimen volume requirements. IDEXX assumes the risk of loss or damage to a specimen at the time possession of the specimen is delivered to an IDEXX employee.

IDEXX reserves the right to refuse to accept or to rescind acceptance of any specimen that, in the judgment of IDEXX, is likely to pose any unreasonable risk in handling and/or analysis. You represent and warrant that any specimen containing any hazardous substance that is to be delivered to IDEXX will be packaged, labeled, transported and delivered in accordance with applicable laws and will indemnify IDEXX for any damages suffered by IDEXX as a result of your tender of improperly packaged, labeled, transported and delivered hazardous substances.

Intellectual Property. IDEXX agrees that all materials, documents, data, and reports arising from the laboratory analytical services provided by IDEXX to you shall be your sole property. IDEXX shall retain sole ownership laboratory analytical methods and processes and any discoveries or inventions related thereto that are conceived by IDEXX.

Quality Assurances. You acknowledge that IDEXX is not a "sponsor" (as defined in 21 CFR § 58.3(f)) or an "investigator," (as defined in 21 CFR § 312.3) and is not intended to be a "contract research organization," (as defined in 21 CFR § 312.3) for any purpose under FDA regulations or guidelines, and that IDEXX shall not receive any experimental animals. Unless otherwise specified by IDEXX in a quote or work order, IDEXX will not perform any Services hereunder in compliance with current Good Manufacturing Practices (21 CFR Parts 210 and 211) or Good Laboratory Practices for Non-Clinical Laboratory Studies (21 CFR Part 58). It is your exclusive responsibility to confirm that IDEXX's practices will meet your needs before placing any order for work.

Retention of Specimens. Unless otherwise agreed in writing, IDEXX shall retain nonhistology specimens in our storage facilities for three weeks after analytical results are reported, after which time the specimens may be destroyed. All histology materials, including slides, blocks and wet tissues, are returned with our reports.

Hazardous Materials. We may return to you unused portions of specimens found or suspected to be hazardous or to contain hazardous materials according to state or federal guidelines upon completion of the analytical work. We may invoice you for the cost of returning the specimen.

Specimen Containers. IDEXX may provide specimen containers upon request. IDEXX reserves the right to charge a fee for specimen containers.

Terms & Conditions (continued)

Retention of Data and Reports. Unless otherwise agreed in writing, you are responsible for retention of raw data and all reports; IDEXX does not store data, reports or other materials long-term at our facilities. IDEXX will assist you in arranging for offsite archiving of such materials. You shall be responsible for all costs of shipping, handling and storage. You assume the risk of loss in transit or storage of any such data or reports at our facilities or elsewhere.

Use of Name. You agree not to use the IDEXX name, logo and/or data in any manner that might cause harm to IDEXX's reputation and/ or business, and under no circumstances will you or any of your affiliates publish the name or logo of IDEXX—either alone or in association with that of any other party—without IDEXX approval in writing.

Limited Warranty and Limits of Liability. In accepting analytical work, IDEXX warrants the accuracy of test results for the specimen as submitted. EXCEPT AS STATED IN THIS LIMITED WARRANTY, IDEXX MAKES NO OTHER WARRANTY, REPRESENTATION OR CONDITION, EXPRESS OR IMPLIED, WRITTEN OR ORAL, AND THERE IS NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NONINFRINGEMENT. We do not assume, nor do we authorize any employee, agent, distributor or other person to assume for us, any other liability in connection with our services. If you qualify as a "consumer" under applicable law, then you may be entitled to implied warranties allowed by law, limited to the period of the express warranties and the remedies set forth in this limited warranty. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

IDEXX is not liable for failure to perform due to circumstances beyond our reasonable control. UNDER NO CIRCUMSTANCES WILL IDEXX BE LIABLE TO YOU OR ANY OTHER PERSON FOR LOSS OF PROFIT OR USE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT, EXEMPLARY, PUNITIVE OR MULTIPLE DAMAGES, INCLUDING WITHOUT LIMITATION FOR LOSS OF GOODWILL, DATA OR EQUIPMENT OR FOR BUSINESS INTERRUPTION, ARISING OUT OF THE SALE OR PROVISION OF SERVICES OR FAILURE OR DELAY IN DELIVERING SUCH SERVICES, WHETHER BASED ON WARRANTY, CONTRACT, TORT OR OTHERWISE, EVEN IF YOU WERE ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ORLOSSES. IDEXX's total liability to you in connection with the provision of services for any and all injuries, losses, expenses, demands, claims or damages whatsoever arising out of, or in any way related to, such services, from any cause or causes, shall not exceed an amount equal to the lesser of (a) damages suffered by you as the direct result thereof, or (b) the total amount paid by you to IDEXX for the analysis of the subject specimen. We accept no legal responsibility for the purposes for which you use the test results.

Some jurisdictions do not allow the exclusion or limitation of special, incidental, consequential, indirect, exemplary, punitive or multiple damages or the limitation of liability to the actual price paid for the product or service, in which case the above limitations may not apply to you. Our limited warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction. IDEXX shall not accept any purchase order or other order for work that includes any conditions that vary from these Standard Terms and Conditions, and IDEXX hereby objects to any conflicting terms contained in any acceptance or order submitted by you.

Collection and Use of Personal Information. IDEXX may collect your personal information in order to provide you with the products and services you request, to inform you about products or services that we think may be of interest to you, and for other limited purposes. IDEXX may disclose personal information to third parties in certain circumstances, including as needed to fulfill your requests or otherwise in accordance with our privacy policies. IDEXX does not disclose personal information to third parties for their own marketing purposes. Please note that your information may be stored and processed in the United States, countries of the European Union, and elsewhere. Full information about IDEXX's privacy policies can be viewed at idexx.com.

Governing Law; Venue; Waiver of Jury Trial. These Standard Terms and Conditions and the transactions contemplated hereby, and all related disputes between the parties under or relating to these Standard Terms and Conditions, whether in contract, tort or otherwise, shall be governed by the laws of the State of Maine (or in the Province of Ontario, for Canadian sales), without reference to conflict of laws principles, and any related legal actions must be brought in the court of appropriate jurisdiction in the State of Maine (or in the Province of Ontario, for Canadian sales), which shall have exclusive jurisdiction (except that either of us may bring an action for an injunction or similar equitable relief against the other in any proper jurisdiction). You hereby waive any claim of lack of jurisdiction or inconvenient forum. YOU AND WE WAIVE TRIAL BY JURY IN ANY LEGAL ACTION BY OR AGAINST US IN SUCH LEGAL ACTIONS. We each further waive any claims against the other for multiple, punitive or exemplary damages in any legal actions relating to these Standard Terms and Conditions. The prevailing party in any such legal actions shall be entitled to an award of its reasonable legal fees and costs. Equal Opportunity/Affirmative Action Notice. IDEXX is an equal opportunity/affirmative action employer and complies with all the regulations of executive order 11246 and the regulations promulgated thereunder.

North America

IDEXX Laboratories, Inc.
One IDEXX Drive
Westbrook, Maine 04092, USA

IDEXX BioAnalytics
4011 Discovery Drive
Columbia, MO 65201

IDEXX BioAnalytics
2825 KOVR Drive
West Sacramento, CA 95605

IDEXX BioAnalytics
3 Centennial Drive
North Grafton, MA 01536

Client Support Services, USA
Phone: 800-669-0825
idexxbioanalytics.com
idexxbioanalytics@idexx.com

Europe

IDEXX BioAnalytics
Vet Med Labor GmbH
Humboldtstraße 2
70806 Kornwestheim
Germany

Client Support Services, EU
idexxbioanalytics.eu
idexxbioanalytics-europe@idexx.com

© 2022 IDEXX Laboratories, Inc. All rights reserved. • IBA-10008-00
All ®/™ marks are owned by IDEXX Laboratories, Inc. or its affiliates in the United States and/or other countries.
The IDEXX Privacy Policy is available at idexx.com.