

To reach us

Biovet has 2 laboratories in Quebec

Saint-Hyacinthe and Quebec City

We have the largest customized pickup network providing the transport of samples in Quebec. even in rural areas.

Ask for a pick up or contact Customer Service

Phone: 450 771-7291 or 1-888-824-6838 (Toll free)

Email: sac@biovet-inc.com

Fax: 450 771-4158

Address: 4375 Beaudry, Saint-Hyacinthe QC J2S 8W2 | 945 Newton Avenue, Local 126-127, Quebec QC G1P 4M3

Opening Hours

Monday to Friday: 8:00 a.m. to 21:00 p.m. Saturday: 8:30 a.m. to 14:00 p.m. Sunday: CLOSED

About Biovet

Biovet offers a full range of veterinary diagnostic services including hematology. biochemistry. microbiology. serology. molecular biology. endocrinology. coagulation and cytology. The analyses are performed on site by qualified technical personnel under the supervision of microbiologists and clinical pathologists certified by the American College of Veterinary Pathologists.

Our primary goal is to provide reliable analysis results in the shortest possible time. To this end. Biovet has set up an efficient and personalized sample collection system that makes it possible to reach a large number of veterinary clinics in Quebec. Your samples are analyzed upon receipt, and the results are transmitted to you by the method of your choice through the implementation of a computerized analysis management system. The Biovet laboratory also runs several internal and external quality controls, which ensure the accuracy of the results.

Biovet is proud to provide you with online access to your results. With Bionet. you can have fast. free and real-time access to your result reports. anytime. anywhere with an internet connection. For more information on the Bionet service. you can contact us at bionet@biovet-inc.com or call us at 1-888-824-6838. You can also visit us online at biovet-ca/en/bionet.

Animal health is important to us. which is why Biovet specialists (clinical pathologists and microbiologists) are available to answer your questions. Whether it's determining the best test to diagnose a given condition or interpreting the results, our team is here to assist you.

This User's Guidel contains information that is useful when dealing with Biovet. We are proud to be associated with your practice and we work continually on improving our services so that we may always better meet your needs.

The Team at Biovet

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Biovet is becoming ANTECH™

We're pleased to share that Biovet will become ANTECH™ in 2025, meaning you'll soon have access to a wider portfolio that includes North America's largest reference laboratory network, best-in-class in-house diagnostics from Heska, the industry's most trusted imaging equipment from Sound™, and breakthrough telemedicine from AIS™.

Helping you navigate all of these new and exciting options will be the same Quebec team you've come to know and trust. They will continue providing you with unparalleled support via the same contact points you've always used.

antechdiagnostics.com 800-341-3440

Legend

Samples

See the sampling materials section below for the abbreviations of the various tubes and others.

Variety of samples that will be detailed in the test description.

Turnaround Time (TAT)

Property of the day of receipt

D Day

Abbreviations

PCR

qPCR

SN

*	New
MFIA	Multiplexed Fluorometric Immunoassay
IHA	Inhibition of Haemagglutination Assay
IFA	Immuno-Fluorescent Assay
ELISA	Enzyme-linked immunosorbent assay
Ab	Antibody
Ag	Antigen
<u> 1</u>	Analyzes done externally: it is best to contact us prior to submitting the sample to ensure availability of the test. Transport fee are excluded.

Polymerase Chain Reaction

Seroneutralization

Quantitative Polymerase Chain Reaction

CODE		PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-328		10	Shipping bags for samples
	- Const		Description: Ziploc™ Shipping bags for samples, with pocket for request form
			Usage: IMPORTANT. USE ONLY ONE BAG OF SAMPLES PER REQUEST FORM
			You need Shipping bags? Ask our delivery man.
TRD-332	_	1	EZTest - Steam
			Description: EZTest is a self-contained biological indicator for monitoring sterilization.
	EZTES		Usage: Return the EZTest – cycle for Autoclave Quality Assurance Program, see Microbiology section. Do NOT refrigerate.
			Comment: use the Biovet request form supplied with the kit.
			You will find the price in the microbiology section.
TRD-319		1	Shipping Unit
			Description: 40-tube box for sampling
TRD-338		20	Polyfoam box
			Description: Polyfoam box for 2 or 4 sampling tubes
TRD-760	3	1	One-bottle, blood culture system
	STEE		Description: bottle for blood cultures.
	3 (20)		You will find the price in the microbiology section
TRD-344		1	Sterile container, 60 ml, twist cap
			Description: sterile plastic container
			Usage: Urinanalysis, parasitologies, PCR fecal analysis for horses,
			Comment: store samples between 4°C and 8°C.
TRD-343		1	Fecal Containers (30 mL)
			Description: 30 mL additive-free faecal container with blue screw cap and spoon.
			Comment: Use a sterile 60 mL container for equine parasitology.
TRD-327		1	SAF container *
	The second secon		Description : tube contenant 15 mL de SAF.
	The same		Usage: Parasitology in cats, dogs and primates ONLY.
	0.00		Comment: DO NOT use for bacteriological or PCR analysis.
			* Sodium acetate-acetic acid-formalin with the transport environment for a culture.
TRD-325		1	Swab with AMIES transport medium
			Description: Swab and tube with Amies transport medium with or without charcoal. Usage: Aerobic or anaerobic culturee
	A STATE OF THE PARTY OF THE PAR		•
			Comment: Keep the swab between 2 and 8 °C. Punch biopsy biopsies can be submitted on a swab in contact with the transport environment for a culture. Punch biopsies can be send on a swab in contact with the transport medium for culture, or in a red-top tube with a few drops of physiological water.

CODE	1	PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-326		1	Nasopharyngeal swab (small animals)
	O to The Sumul		Description : Sterile polyester swab, small size to reach narrow areas Usage: aerobic or anaerobic culture or PCR
			-
			Procedure: For microbiology, once the sample has been taken, dip the swab in AMIES TRD-325 transport medium.
			Comment: Store samples between 4 and 8°C for aerobic cultures and at room temperature for anaerobic cultures.
TRD-354		1	Sterile polyester swab (PCR)
	O . September 1997 1995 1995		Description: sterile polyester swab used ONLY for PCR analysis.
			Usage: PCR analyses (respiratory diseases)
			Procédure : once the sample has been collected, place the swab(s) in a TRD-310 preservative- free sterile tube
			Comment: not suitable for aerobic or anaerobic culture EXCEPT if you add a few drops of physiological water to the tube.
			Store samples between 4°C and 8°C.
TRD-314		10	Slide holder
			Description: cytology slide holder.
			Comment: Please do NOT write anything on the blade holders. put your information on the label.
TRD-324		1	Container pre-filled with formalin (40 mL)
TRD-323		1	Container pre-filled with formalin (60 mL)
TRD-321		1	Container pre-filled with formalin (90 mL)
TRD-322		1	Container pre-filled with formalin (120 mL)
TRD-360			Container pre-filled with formalin (480 mL)
	E Parise		Description: The amount of formaldehyde in the specimen container is about half the volume of the container.
	Control of		Procedure: The volume of formaldehyde should be 10 times that of the tissue. See Appendix - Protocol for the Handling and Sending of Large Masses.
			Comment: contains 10% neutral buffered formalin.
TRD-427	Paquet	25	Amber tube (5 mL)
			Description : sampling tube with cap
	1,		- Serum
	•		Usage: Vitamin E. See protocol in biochemistry section.
			Comment : Beware. vitamin E is photosensitive and should not be exposed to light.
TRD-305		1	Blue tube - Citrated (1.3 mL)
1110-303	Ma	и ах. 10	Description: plastic sampling tube with blue screw cap containing sodium citrate, supplied with
	(mane)		plastic transfer tube.
	_		- (B) Plasma
			Procedure: Whole blood collected in an EDTA tube, stirred at least 10-20 times by the person drawing the blood. The plasma is separated from the blood and placed in a plastic tube. Label the tube "Plasma citraté" in addition to the animal's ID.
			Comment: Store samples between 4°C and 8°C.
			·

CODE		PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-352		100	Lavander tube (1.3 mL)
TRD-302		100	Lavander tube (3 mL)
TRD-303		100	Lavander tube (10 mL)
			Description : collection tube with lavender cap containing EDTA.
TRD-303		100	Lavander tube (10 mL)
			Description : collection tube with lavender cap containing EDTA.
			- (L) EDTA whole blood
			Procedure: Whole blood collected in a tube containing an anticoagulant (EDTA-K2 or EDTA-K3). stirred at least 10-20 times immediately after collection. EDTA is bactericidal (so no blood culture or microbiological test can be added). Be careful to use the correct tube format, as there must be blood at least up to the label. If the anticoagulant/anticoagulant ratio is too high, the lab will note: Volume suboptimal; anticoagulant/blood ratio too high.
			- (PL) Plasma EDTA
			Procedure: Supernatant of whole blood collected in an EDTA tube, stirred at least 10-20 times immediately after collection. The plasma is separated from the blood and placed in a plastic tube. Label tube "Plasma EDTA" in addition to animal ID.
			 Other usages: For cytology of body fluids including thoracic, abdominal, synovial fluids, cystic or cavity fluids (except for urine cytology which must be submitted in a red cap tube or sterile Container).
			Comment: store samples between 4°C and 8°C.
TRD-300		100	Red top tube (3 mL)
TRD-310		100	Red top tube (8 mL)
			Description: anticoagulant-free or additive-free sampling tube.
			- <mark>(S)</mark> Serum :
			Procedure: centrifuge it and send us the supernatant or wait and once the blood has coagulated, remove the supernatant from the clot.
			Comment: store samples between 4°C and 8°C.
TRD-308	G P	100	SST Tube (3.5 mL)
TRD-759		100	SST Tube (8.5 mL)
	- 1· ·		Description: SST sampling tube (Tube with Serum Separator) containing a gel separating red blood cells from the serum after centrifugation.
			- (SS) Serum
			Usage: SST serum NOT recommended for drug dosing (KBr, Pheno, etc.)
			Procedure: You can send us the tube as is or centrifuge it.
			Note: Store samples between 4 and 8°C.

CODE		PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-351		100	Green tube (1.3 mL)
	· museum in the last		Description: sampling tube with green cap containing heparin.
			- (G) Heparinized blood
			Procedure: Whole blood collected in a heparinized tube, stirred at least 10-20 times immediately after collection. Can be used for birds. Heparinized whole blood (in green tube) is received, hematology is done first, then centrifuged and whatever biochemistry can be done. Since the red blood cells remain in contact with the plasma, there may be artifactual in vitro glycolysis. Please tell us your priorities for biochemistry.
			Comment : Store samples between 4 and 8°C.
TRD-359		1	Braf kit (canine)
	Other Colonians		Description: Urine sampling kit
	The second second		Comment: use the form and follow the protocol supplied with the kit.
TRD-357		1	MiDOG kit (swab)
	· on ·		Description: Sampling kit (swab - tongue, feces, ear or skin).
			Usage: MiDOG microbial DNA sequencing test
			Comment: use the request form supplied with the kit.
TRD-358		1	MiDOG kit (urine)
			Description: Urine sampling kit.
			Usage: MiDOG microbial DNA sequencing test
			Comment: use the request form supplied with the kit.

Companion Animal – Test Offers

Our Profiles and Their Components	Complete CBC	Urinalysis	Patho.'s comments	DGGR Lipase	A	min			Creatinine	ose	Total Proteins		Globulins	Cholesterol	ınm	Phosphorus	A/G Ratio	Na/K Ratio	шn	Potassium			ride	ase	Total Bilirubin			dir. ind.Bilirubin	Creatine Kinase (CK)	Total or Free T4 Prot./creat. Ratio
CODE TEST NAME	Com	Urina	Path	DGG	SDMA	Albumin	ALP	ALT	Crea	Glucose	Total	BUN	Glob	Chol	Calcium	Phos	A/GI	Na/K	Sodium	Pota	TCO_{2}	Gар	Chloride	Amylase	Total	GGT	AST	dir. ir	Crea	Total Prot.
HEALTH PROFILES																														
BV1002 Biovet Complete	•		•			•	•	•		•		•	•	•	•		•	•		•			•							
BV1022 Biovet Complete & DGGR Lipase	•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
BV1023 Biovet Complete & SDMA	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
BV1012 Biovet Complete & T4	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							•
BV1025 Biovet Complete & T4 & SDMA	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							•
BV1024 Biovet Complete & T4 & TSH	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							•
BV1011 Ultra Complete	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
BV1015 Health Profile #1	•			•	•	•	•	•	•	•	•	•	•		•		•	•	•	•			•	•	•					
BV1016 Health Profile #2	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•	
BV1017 Health Profile #3	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•	
BV1018 Health Profile #4	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•	т
BV1019 Health Profile #5	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•	т •
BV1020 Health Profile #6	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•	•
BV1001 Chemistry						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			
BV1021 Chemistry +	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			
PRE-OP PROFILES																														
BV1026 PM 9*							•	•	•	•	•	•						•	•	•			•							
BV1028 PM 9 +*	•						•	•	•	•	•	•						•	•	•			•							
BV1027 PM 15*						•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•					
BV1029 PM 15 +*	•					•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•					
BV1005 Preanesthesia/Mini-Profile						•	•	•	•	•	•	•	•				•	•	•	•			•							
BV1010 Pre-Op	Ht					•	•	•	•	•	•	•	•				•	•	•	•			•							
BV1009 Pre-Op+	•					•	•	•	•	•	•	•	•				•	•	•	•			•							
RENAL PROFILES																														
BV1004 Renal						•			•	•	•	•	•		•	•	•		•	•	•	•	•							
BV1030 Renal & SDMA					•	•			•	•	•	•	•		•	•	•		•	•	•	•	•							
BV1032 Renal+	•					•			•	•	•	•	•		•	•	•		•	•	•	•	•							
BV1033 Renal + & SDMA	•				•	•			•	•	•	•	•		•	•	•		•	•	•	•	•							
BV1031 Renal Mini-Profile					•				•			•				•														
BV1099 Renal Mini-Profile & Urinalysis		•			•				•			•				•														

Our Profiles and Their Components	Hémato. complète	Urologie complète	Interprétation patho.	Lipase DGGR	SDMA	Albumine	a	F	Créatinine	Glucose	Protéines totales	ée	Globulines	Cholestérol	Calcium	Phosphore	Rapport A/G	Rapport Na/K	Sodium	Potassium	TCO ₂	Gap anionique	Chlore	Amylase	Bilirubine totale	L 5	L	Bilirubine dir. ind.	Créatine Kinase (CK)	T4 Totale ou libre	IIO FI UL./CI ca L.
CODE TEST NAME	Ηę	ž	ᆵ	Lip	SD	¥	ALP	ALT	ပ်	ਰ	Pro	Urée	ਲੁੱ	ည်	ပိ	F.	Ra	Ra	So	Po	5	Ga		An	Bii	GGT	AST	Ē	ပ်	4 T	2
GERIATRIC PROFILES																															
BV1008 Geriatric Panel	•					•	•	•	•	•	•	•	•		•	•	•	•	•	•			•							•	
BV1038 Geriatric Panel & SDMA	•				•	•	•	•	•	•	•	•	•		•	•	•	•	•	•			•							•	
BV1035 Geriatric & DGGR Lipase	•			•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•			•							•	
BV1036 Geriatric & Urinalysis	•	•			•	•	•	•	•	•	•	•	•		•	•	•	•	•	•			•							•	
BV1037 Geriatric Ultracomplete	•	•			•	•	•	•	•	•	•	•	•		•	•	•	•	•	•			•								•
GASTROINTESTINAL PROFILES																															
BV1007 Chem Pancreatic				•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		_
BV1043 Chem Pancreatic +	•			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		
BV1039 Gastro-Intestinal	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		_
BV1044 Gastro-Intestinal & Parasitology	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•		•	•	•		
BV1006 Hepatic						•	•	•		•	•	•	•	•			•	•	•	•			•		•	•	•	•			_
BV1045 Hepatic+	•					•	•	•		•	•	•	•	•			•	•	•	•			•		•	•	•	•			
BV1110 Hepatic With Phenobarbita	al					•	•	•		•	•	•	•	•			•	•	•	•			•		•	•	•	•			_
BV1040 Complete Pancreatic	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	
BV1046 Pancreatic Profile & T4	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	т	
BV1047 Pancreatic Profile & Urinal	ysis •	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	т	_
BV1041 Pancreatic Profile & Fiv / Fe	elv •			•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	т	_
BV1042 Vomiting/Anorexia/Diarrho	ea •		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								_
BV1048 Vad & Urinalysis	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								_

For these profiles:

Sample: 1.0 mL Serum (S) • Turnaround Time ()

 $\textbf{Complete Hematology or (Ht) hematocrit:} \ \text{add 1.0 mL Whole blood EDTA (L)}$

Urinalysis: 5.0 mL Fresh urine

+: Profiles include a Complete Hematology

COMPLET	E YOUR PROFILES WITH THESE ADD-ONS**
CADD90	DGGR Lipase
BVAD02	Feline Viral Profile II
CADD260	Fructosamin
CADD350	Keyscreen GI Parasite qPCR
BVAD09	Parasitology
BVAD01	SDMA
CADD190	Total T4
CADD200	TSH (Endogenous)
CADD220	Urinalysis
CADD230	Urinary proteins/creatinine ratio

**To obtain the Add-On price. the clinic must have performed a blood test with Biovet blood analyser or at the Biovet laboratory. If the clinic has performed the blood test with the analyser, the results must be provided as evidence. The blood test and add-on analysis must be for the same animal. The clinic has 72 hours after the blood test to request an Add-On analysis.

OTHER PROFILES			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BV1247	Anemia profile (Feline - PCR) Includes Anaplasma spp, Bartonella, Cytauxzoon felis, Ehrlichia spp, Hemotropic mycoplasmas (PCR) and FIV/FeLV (ELISA).	2 mL EDTA whole blood (L)	2 D
BV1102	Annual preventive health checkup - canine Includes Biovet complete profile, T4, SDMA, Heartworm, Lyme, Ehrlichia, Anaplasma, Parasitology.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S) + 5 g Feces	()
BV1104	Annual preventive health checkup - geriatric feline Includes Biovet complete profile, T4, SDMA, urinalysis, Parasitology.	1.0 mL EDTA whole blood (L) + 1.0 mL serum (S) + 5 g Feces + 5mL Urine	①
BV1103	Annual preventive health checkup - Young active feline Includes Biovet complete Profile + Parasitology + FIV/FeLV	1.0 mL EDTA whole blood (L) + 1.0 mL serum (S) + 5 g Feces	①
	CBC, see HEMATOLOGY section		
	Digestive profile (diarrhea) qPCR and Digestive profile qPCR & parasitology canine or feline, see PCR section		
BV1003	Electrolytic Profile Includes Ca, Cl, Gap, K, Na, Phos, Rapport Na/K, TCO ₂	1.0 mL Serum (S)	(*)
CS86698	Calcium Profile (Malignancy Profile) Includes ionized Ca, PTH & PTHrp, Centrifuge the samples within one hour collection. Label plastic tubes "serum" and "EDTA plasma". Freeze. Fasting recommended to avoid lipemia. Avoid hemolysis. This test is done external	(PL)	7 D
	Respiratory profile canine or feline, see PCR section		
CSA401	Thyroid Profile Includes T4 (total or free) and TSH (canine)	0.5 mL Serum (S)	<u> </u>
COFA THYROID	Thyroid Profile OFA Contact the laboratory before sampling. Have to use OFA request form. Includes Free T4 equilibrium dialysis, TSH & TGAA. This test is done externally. Excluding OFA certification.	2.0 mL Serum (S)	7 D
CSA260	Viral Profile II (Feline) Includes FIV and FeLV.	0.5 mL Serum (S) or EDTA plasma (PL) or EDTA whole blood (L)	()
BVADO2	Add-on Feline Viral Profile II		
BV1049	Viral Profile III (Feline) Includes FIV, FeLV, coronavirus (by IFAT). * Result on the same day for FIV and FeLV but 1 week for coronavirus.	0.5 mL Serum (S)	*
CHEMISTRY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ010	Albumin	0.3 mL Serum (S)	()
СТ020	ALP (Alkaline phosphatase)	0.3 mL Serum (S)	(P)
СТ030	ALT	0.3 mL Serum (S)	(P)
BV1114	Combo ALP-ALT		
			()

CHEMISTRY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ060	AST	0.3 mL Serum (S)	()
CT225	Bile Acids (baseline)	0.3 mL Serum (S)	(1)
СТ220	Bile Acids (pre- and post-prandial) Take the first blood sample after a 12-hour fast. Feed the animal (2 tsp of foor if less than 10 lbs and 2 tbsp of food if more than 10 lbs) and take the second sample 2 hours after the meal. Centrifuge. Transfer the serum to another tube. Identify the tubes "pre-prandial" and "post-prandial." Avoid hemolysis Keep cool.		()
	Bile Acids/creatinine Ratio, see UROLOGIE section		
СТ070	Bilirubin, Direct	0.3 mL Serum (S)	•
СТ090	Bilirubin, Total	0.3 mL Serum (S)	(1)
СТ080	Bilirubin (dir., Indir., Tot.)	0.3 mL Serum (S)	(1)
CT100	BUN (urea)	0.3 mL Serum (S)	(1)
CT105	BUN-Creatinine Combo	0.3 mL Serum (S)	(1)
CS86344	C-reactive Protein (CRP) Fasting (12 hours) serum; DOGS ONLY. This test is done externally.	1.0 mL Serum (S)	7 D
	C Protein, see Hematology section		
CT110	Calcium (total) Avoid lipemia.	0.3 mL Serum (S)	①
CS18537	Calcium, ionized Fasting is necessary. Avoid hemolysis and lipemia. - Do not open cap Sample requirement for accurate measurement of ionized calcium (iCa2+) is serum that has been anaerobically transferred from the spun SST or RTT (using a needle and syringe to avoid air exposure) into a plain unopened red top vacutainer. Puncture the stopper with the syringe needle and allow the serum to be transferred under pressure. - Do NOT open this tube prior to testing. - Please boldly label the sample tube as "IONIZED CALCIUM SERUM" and keep frozen or refrigerate. Samples that have been exposed to air may have artifactually decreased (iCa2+) and those transported in SST tubes may have been artifactually increased (iCa2+). † The tube submitted for this test will be used ONLY for this analysis, if you require other tests, please provide another tube.	0.5 mL Serum (S)†	3 D
CT120	Chloride	0.3 mL Serum (S)	(P)
CT125	Cholesterol	0.3 mL Serum (S)	()
	CO ₂ , see TCO ₂		
	Cobalamine, see Folate + cobalamine		
СТ130	Creatine Kinase (CK)	0.3 mL Serum (S)	
CT135	Creatinine	0.3 mL Serum (S)	(1)
CT105	Combo BUN-Creatinine	0.3 mL Serum (S)	()

CHEMISTRY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CS16195	Folate + cobalamine (vitamin B12) A 12-hour fast is recommended. Avoid hemolysis. Separate the serum from the RBCs and freeze. Protect from light by covering the tube with aluminum foil. Also available: TLI-Cobalamine-Folate	1.0 mL Serum (S)	3 D
CS16345	Fructosamine (canine or feline) Keep cool.	0.5 mL Serum (S)	1-2 D
CADD260	Add-on Fructosamine (canine or feline)	0.5 mL Serum (S)	1-2 D
CT145	GGT	0.3 mL Serum (S)	()
CT011	Globulins (Alb & PT) Refrigerate or freeze.	0.3 mL Serum (S)	()
CT150	Glucose	0.3 mL Serum (S)	①
CT155	Iron	0.5 mL serum (R)	4 D
CT160	LDH (Lactate dehydrogenase)	0.3 mL Serum (S)	①
CT165	Lipase, DGGR	0.3 mL Serum (S)	①
CADD90	Add-on DGGR Lipase	0.3 mL Serum (S)	①
CT170	Magnesium	0.3 mL Serum (S)	①
CT180	Phosphorus	0.3 mL Serum (S)	()
	PLI (canine or feline), see Lipase, DGGR		
CT185	Potassium Avoid hemolysis.	0.3 mL Serum (S)	()
CT240	Protein electrophoresis	1.0 mL Serum (S)	4 D
CT190	Total Proteins Avoid hemolysis and lipemia.	0.3 mL Serum (S)	①
CT1035	SDMA Avoid hemolysis.	0.5 mL serum (R)	()
BVAD01	Add-on SDMA	0.5 mL serum (R)	()
CT195	Sodium	0.3 mL Serum (S)	()
CT115	TCO₂ (Bicarbonates) Avoid contact with air. Tightly closed tube.	0.3 mL Serum (S)	•
СТ230	TLI (canine)	0.5 mL Serum (S)	7 D
CS16800	TLI (feline) Fast 12-18 hr.	0.5 mL Serum (S)	7 D
CSA160	TLI-Cobalamine-Folate (canine)	1.0 mL Serum (S)	7 D
CSA275	TLI-Cobalamine-Folate (Feline)	1.0 mL Serum (S)	7 D
CT205	Triglycerides Fast 12-18 h	0.3 mL Serum (S)	()
	Urea, see BUN		
CT210	Uric acid	0.3 mL Serum (S)	()
	Urinary proteins/creatinine ratio, see UROLOGY section		
	Vitamine B12, see Folate + cobalamine		
BV7080	Zinc ② This test is done externally.	0.5 mL Serum (S)	7 D

DRUGS			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CS18702	Cyclosporine ① Refrigerate. Do not freeze. This test is done externally.	0,5 mL EDTA whole blood (L)	7 D
CS18703	Digoxin For drug dosages, do not use SST tubes (with separator gel) as they can falsely lower the concentrations. Glass tube preferable.	0.5 mL Serum (S)	4 - 6 D
CS18704	Levetiracetam (Keppra) ① Fasting recommended but not necessary. Do NOT take in an SST tube. This test is done externally.	0.5 mL Serum (S)	7 D
CS18705	Phenobarbital For drug dosages, do not use SST tubes (with separator gel) as they can falsely lower the concentrations. Also available KBr + Phenobarbital Combo	0.5 mL Serum (S)	()
CS18706	Potassium bromide (KBr) For drug dosages, do not use SST tubes (with separator gel) as they can falsely lower the concentrations.	0.5 mL Serum (S)	1-2 D
CS18707	KBr + Phenobarbital Combo * Result within 24 h for Phenobarbital, but allow 24 to 48 h for KBr.	0.5 mL Serum (S)	(F)*
CS18708	Zonisamide ① Fasting recommended but not necessary. Do NOT take in an SST tube. This test is done externally.	0.5 mL Serum (S)	7 D

Cytology, see Pathology / Cytology / Histopathology

ENDOCRINOL	OGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT435	ACTH (endogenous) Fast. Collect blood in an EDTA tube. Centrifuge immediately, separate into a plastic tube and freeze.	1.0 mL EDTA plasma (PL)	4 D
CS87151	Aldosterone ① EDTA plasma (ideal sample but can be done on serum), Centrifuge and separate the plasma within 30 minutes of collection. Transfer to a plastic tube. Freeze. This test is done externally.	1.0 mL EDTA plasma (PL) transferred to plastic tube	7 D
CT445	Cortisol	0.5 mL Serum (S)	()
CT440	Cortisol (ACTH stimulation)	0.5 mL Serum (S)	()

ENDOCRINOLOGY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
	Pre and post Several companies offer different ACTH products. The ACTH- stimulation protocol varies depending on the product used. Synacthen can be used. There are two types of Synacthen: Synacthen Depot (gel) and Synacthen. The dosage of Synacthen Depot is 0.25 - 0.5 mg IM (0.25 mg if less than 15 lbs and 0.5 mg if more than 15 lbs). Cortisol is measured at 0 and 2 (two) hours post synacthen deposition. Synacthen can be used in the same way as cortrosyn (0.25 mg IM or IV). Cortisol is measured at time 0 and 1 (one) hour post synacthen. Cortrosyn (synthetic ACTH) can also be used. Administer 250 μg (1 vial) of Cortrosyn (synthetic ACTH) intramuscularly (or 5 μg / kg up to a maximum of 250 μg). Samples should be taken just before ACTH injection and 1 (one) hour later. The dosage for corticotropin (Bexco, formulation 40 U / ml) is 2.2 IU / kg (max 40 IU) I.M. Cortisol is measured at time 0.1 and 2 (two) hours postinjection. IDENTIFY THE "PRE" AND "POST" TUBES OR "TIME 0", "TIME 1" AND "TIME		
CDEX3	Cortisol (dexamethasone suppression test low dose) Administer 0.1 mg / kg dexamethasone intravenously. Samples should be taken at 0. 4 and 8 hours. In cats, it is better to use a dose of 0.1 mg / kg. IDENTIFY THE "O HOUR" AND "8 HOURS" TUBES.	0.5 mL Serum (S)	()
CDEX2	Cortisol (dexamethasone suppression test high dose) Pre and post	0.5 mL Serum (S)	()
	Pre and 2 post Administer 0.01 mg / kg dexamethasone intravenously. Samples should be taken at 0. 4 and 8 hours. In cats, it is better to use a dose of 0.1 mg / kg. IDENTIFY THE "O HOUR", "4 HOURS" AND "8 HOURS" TUBES.	0.5 mL Serum (S)	•
CS16295	Estradiol 🖆 Freeze. This test is done externally.	0.5 mL Serum (S)	7 D
CT499	Free T4	0.3 mL Serum (S)	(*)
CSA401	Thyroid Profile (T4 + TSH)		
CT460	Free T4 equilibrium dialysis (canine & feline) Keep cool.	0.3 mL Serum (S)	4 D
CS16350	Gastrine Fasting 24 hours. Get a sample the day after. Transfer the serum into a plastitube. Freeze. Submit with ice packs. May be falsely increased if patient receives Cimetadine. This test is done externally.	0.5 mL Serum (S)	7-14 D
CT470	Insulin and glucose Animal shoud be fasted prior to sampling. Centrifuge. separate and freeze in a plastic tube. Take blood when the patient is hypoglycemic.	1.0 mL Serum (S) n	3 D
CS16595	Parathyroid hormone (PTH) + ionized calcium Fasting 12 hours. Centrifuge and separate the serum. Freeze in a plastic tube Avoid hemolysis and lipemia. This test is done externally.	1.0 mL Serum (S) e.	7 D

ENDOCRINOLOG			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CS16596	Parathormone-related peptide (PTH-rp) ① Collect blood in an EDTA tube. Centrifuge within 60 minutes of collection. Separate the plasma into a plastic tube. Identify "EDTA plasma," Freeze. Ship with ice packs. Avoid hemolysis and lipemia. Fast is necessary to avoid lipemia. If the sample is non-lipemic. fasting is not necessary. This test is done externally.	1.0 mL EDTA plasma (PL) transferred to plastic tube	7 D
CT475	Progesterone Do NOT use SST tube. Centrifuge and separate quickly.	0.5 mL Serum (S)	()
CT9810	Relaxin (pregnancy) Canine: A positive test indicates a pregnancy (few false positives). A negative result obtained 30 days after mating should be repeated within a week. False negatives can occur occasionally in small litters. Feline: Preliminary studies report a sensitivity of 100% and a specificity of 91% (9% false positive) for pregnancy when the cat is tested 25 days postmating.	0.3 mL Serum (S)	7 D
СТ500	T4 AA	0.3 mL Serum (S)	7 D
CT480	Total T3	0.3 mL Serum (S)	7 D
CT495	Total T4	0.3 mL Serum (S)	(1)
CADD190	Add-on Total T4	0.3 mL Serum (S)	(P)
CSA401	Thyroid Profile (T4 + TSH)	0.3 mL Serum (S)	()
CS16760	Testosterone Keep cool.	1.5 mL Serum (S)	3 D
BV7081	Testosterone stimulation hCG (2 samples) 1.5 mL of serum each sample. Refrigerate. Submit with icepacks.	2 Samples of 1.5 mL Serum <mark>(S)</mark>	8 D
CT510	TSH (endogenous. canine)	0.3 mL Serum (S)	()
CADD200	Add-on TSH	0.3 mL Serum (S)	(P)
CSA401	Thyroid Profile (T4 + TSH)	0.3 mL Serum (S)	()
HEMATOLOGY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT330	CBC (Complete Blood Count) If possible, submit 2 blood smears, not stained. immediately after collection with EDTA blood. The EDTA tube should be kept cold. Avoid lipemia, sample <48 hours. Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), differential, microscopic examination, reticulocyte count (if anemia). An evaluation of the blood smear is performed by technicians on each CBC, including a differential check, description of red and white blood cell morphology, confirmation of platelet estimation, and a reticulocyte count if the patient is anemic. If an abnormality or unidentified cells are observed during this evaluation, the blood smear is then submitted to a pathologist for verification.		()
СТ331	CBC with Pathologist's comments	1.0 mL EDTA whole blood (L)	(1)
BV1050	CBC with feline Hemotropic mycoplasmas qPCR	1.0 mL EDTA whole blood (L)	(P)

CT415	Coagulation (PT, PTT)	1.0 mL Citrated plasma (B)	1-3 D
CS86149	C Protein <a>♪ Plasma centrifuged, separated (in a plastic tube) and refrigerate. Submit with ice-packs. This test is done externally.	1.0 mL Citrated plasma (B)	7 D
CT325	Buffy Coat	1.0 mL EDTA whole blood (L)	()
СТ320	Blood typing (feline)	1.0 mL EDTA whole blood (L)	()
CT315	Blood typing (canine) <a>D This test is done externally.	1.0 to 3.0 mL EDTA whole blood (L)	5 D
CREVW	Blood smear evaluation (pathologist) Submit a blood smear or whole blood EDTA. Also submit internal analyzer results if available.	Smear or EDTA whole blood (L)	()
	Babesia (smear), see Parasitology section		
BV1051	CBC without diff The EDTA tube should be kept cold. Avoid lipemia, sample <48 hours. Includes leukocyte, platelets and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), reticulocyte count (if anemia).	1.0 mL EDTA whole blood (L)	()
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
HEMATOLOGY			

CODE		CAMDIE	TAT
	TEST NAME - DESCRIPTION	SAMPLE	TAT
SA305	Coagulation (PT, PTT) with Platelets For these tests (mainly for PT and PTT), a good plasma sampling and submission method is absolutely essential to obtain reliable results. Coagulation factors can be destroyed by heat or activated by contact with glass surfaces and clot formation in the sample. Reliable results can be obtained if the following guidelines are followed: 1. Do not dose von Willebrand factor in bitch in heat, pregnancy or lactation. 2. For PT, PTT and vWF tests it is essential to collect the blood in a citrate tube (blue top tube). These tubes (as well as plastic tubes) are available at no charge from customer service upon request. 3. A clean puncture of the vein must be performed. Repeatedly puncturing the vein walls or a slow blood flow can activate the coagulation cascade. a. If you use vacutainer tubes, it will be important to completely fill the citrated tube in order to respect the citrate ratio: 1: 9. b. If you use screw-cap tubes and a syringe, it will be important to fill the tube to the top edge of the label to respect the citrate: blood ratio. 4. Less than 15 minutes after collection, centrifuge tubes for 15 minutes at 3000 RPM. Keep the cap on the tube during centrifugation. When separating plasma, it is important not to aspirate red blood cells. If the plasma is hemolyzed or contains clots, the sample should be taken again. At least 0.4 ml of plasma is needed to perform the tests. 5. For separation, the plasma must be collected with a plastic pipette and placed in a plastic tube. Clearly identify the tube with the patient's name, age and time of collection, and indicate "citrated plasma" on the tube to be submitted. If you do not have plastic tubes, you can use a citrated tube previously emptied of its anticoagulant. 6. Freeze sample and send on ice.		1-3 D
	7. For PT and PTT tests, each Patient sample must be accompanied by a Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as the patient's and ensures that sampling, centrifugation and transport did not alter the sample, PT and PTT testing costs include the analysis of the control sample. 8. A lavender tube (whole blood EDTA) is preferably required for platelet counting, but it can also be performed on a green-top tube (whole heparinized blood)		
CT340	Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as the patient's and ensures that sampling, centrifugation and transport did not alter the sample, PT and PTT testing costs include the analysis of the control sample. 8. A lavender tube (whole blood EDTA) is preferably required for platelet counting, but it can also be performed on a green-top tube (whole	0.5 mL EDTA whole blood (L) or EDTA plasma (PL)	3 D
	Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as the patient's and ensures that sampling, centrifugation and transport did not alter the sample, PT and PTT testing costs include the analysis of the control sample. 8. A lavender tube (whole blood EDTA) is preferably required for platelet counting, but it can also be performed on a green-top tube (whole heparinized blood) Crossmatch	blood (L) or EDTA	3 D 2 D
CT540	Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as the patient's and ensures that sampling, centrifugation and transport did not alter the sample, PT and PTT testing costs include the analysis of the control sample. 8. A lavender tube (whole blood EDTA) is preferably required for platelet counting, but it can also be performed on a green-top tube (whole heparinized blood) Crossmatch Submitting blood from donor and recipient.	blood (L) or EDTA plasma (PL) canine: 2.0 mL feline: 1.0 mL EDTA	
CT340 CT540 CT375	Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as the patient's and ensures that sampling, centrifugation and transport did not alter the sample, PT and PTT testing costs include the analysis of the control sample. 8. A lavender tube (whole blood EDTA) is preferably required for platelet counting, but it can also be performed on a green-top tube (whole heparinized blood) Crossmatch Submitting blood from donor and recipient. Coombs This test is done externally.	blood (L) or EDTA plasma (PL) canine: 2.0 mL feline: 1.0 mL EDTA whole blood (L) 1.0 mL EDTA whole	2 D

HEMATOLOGY	r		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT400	Platelets	1.0 mL EDTA whole blood (L)	(*)
CT410	PT (Prothrombin Time) Submit with a control sample. Centrifuge, separated and frozen plasma. Follow procedures for coagulation tests.	1.0 mL Citrated plasma (B)	1-3 D
СТ395	PTT (Partial thromboplastin time) Submit with a control sample. Centrifuged, separated and frozen plasma. Follow procedures for coagulation tests.	1.0 mL Citrated plasma (B)	1-3 D
CT425	Reticulocyte	1.0 mL EDTA whole blood (L)	(I)
CS17123	Von Willebrand Facteur ELISA Centrifuged, separated and frozen plasma. No hemolysis. Do not collect during pregnancy or heat in bitches. This test is done externally. See instruction in PT, PTT test above.	1.0 mL Citrated plasma (B)	7 D
	Von Willebrand PCR, see PCR section		
BV1115	WBC & diff	1.0 mL EDTA whole blood (L)	()

Histopathology, see Pathology / Cytology / Histopathology

MICROBIOLOGY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СМ070	Aerobic culture Refrigerate; sterile container or swab with transport medium (not dry swab). Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture.	250 μl Urine or 10 μl liquid, tissue, swab, other	1-2 D (urine) 2-5 D (other)
BV1154	CATB (Aerobic culture + Sensitivity*) Refrigerate; sterile container or swab with transport medium (not dry swab). Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture. * Kirby-Bauer method.	250 μl Urine or 10 μl liquid, tissue. swab, other	1-2 D (urine) 2-5 D (other)
BV0240	Follow-up Aerobic culture + Sensitivity* Follow -up culture on same source may be ordered within 30 days of original submission of an Aerobic Culture. Indicate order number and date of the original submission on the requisition form. * Kirby-Bauer method		
СМОЗО	Anaerobic Culture Sterile container as small as possible for the sample so that there is as little air as possible in the container, or a swab with a solid transport medium. DO NOT refrigerate. It is preferable that the sample be sent to the lab the same day. Anaerobic organisms are sensitive to cold, should be stored at room temperature and not in the fridge. Refer to Appendix 1. if you are hesitating between aerobic or anaerobic culture.	10 μl Urine, liquid, tissue,. swab, other	
BV1242	Aerobic + anaerobic Culture + Sensitivity * 2 samples are required 1 for aerobic culture and the other for anaerobic culture. Anaerobic organisms are sensitive to cold. and should be kept at room temperature.	2 samples *	

MICROBIOLOGY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CEXT	Antimicrobial susceptibility* Culture must have been done previously. See Appendix 5: Antibiotic profiles (Sensitivity). * Kirby-Bauer method	Isolate	2 D
BV0239	Autoclave Quality Assurance Program Must use EZTest - Steam, Easy-to-use, EZTest is a self-contained biological indicator for monitoring sterilization. EZTest - Steam contains Geobacillus stearothermophilus which will only be destroyed by adequate sterilization. These biological indicators comply with ISO 11138 and EN 866 standards and USP requirements.		3 D
TRD-332	EZTest Steam (1 unit)		
CM061	Blood Culture + Antibiotic sensitivity ■ Must use One-bottle. Blood culture system. follow the incubation protocol and DO NOT REFRIGERATE. This test detects the growth of aerobic, anaerobic and micro-aerophilic organisms from blood or CSF samples using the blood/CSF culture system. * Preliminary results can come out as quickly as the day after reception, but for a negative result it is necessary to wait 7 days. A preliminary report will be sent as soon as possible.		1-7 D*
TRD-760	One-bottle. Blood culture system		
CM225	Campylobacter jejuni/coli/lari (culture) Also available in profile, see Fecal culture	1 g Feces	5-10 D
BV1143	Clostridium perfringens (culture) available in profile, see Fecal culture		
BV0010	Clostridium perfringens (Toxin profile - PCR)		
СМ020	CMIC (Culture and MIC) Refrigerate; sterile container or swab with transport medium (not dry swab). To learn more on MIC, see Appendix 6.	250 μl urine or 10 μl Tissue, swab, liquid, other	3 D
BVO241	Follow-up - CMIC (Culture and MIC) Follow -up CMIC on same source may be ordered within 2 months of original submission of an CMIC. Indicate order number and date of the original submission on the requisition form. Urology Profile + CMIC. See Urology section		
BV1143	Fecal culture + sensitivity Includes aerobic culture. Campylobacter jejuni/coli/lari. Clostridium perfringens, Salmonella spp, and Shigella.	10 g Feces	3-10 D
BV1256 *	Feline respiratory profile (Culture) + ATB Includes: Actinomyces spp., Bordetella bronchiseptic, Chlamydophila felis, Enterobacteria, Mannheimia spp., Moraxella spp., Nocardia, Pasteurella multocida, Pseudomonas aeruginosa, as well as a sensitivity.	Swab or tracheal lavage	2-5 D
СМ080	Fungus (Isolation) Refrigerate; sterile container.	Skin scraping, swab; other	7 D
	Minimum inhibitory concentration, see CMIC		

MICROBIOLOG	Y		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СМ121	Salmonella spp. (culture) Refrigerate; sterile container, available in profile, see Fecal culture. See also Serotyping (PCR section)	Tissue, 10 g feces; other	4 D
CM240	Ringworm (Fungal culture) A culture is performed on a selective medium for Dermatophytes, if a typical growth is observed, a confirmation by our PCR test is performed and included in the price.	Skin scraping, hair	7-28 D
CM130	* Urine (culture) with FIRSTract and MIC FIRSTract is a highly accurate and rapid urine culture technique, will then undergo traditional culture for identification and susceptibility by MIC.	0.5 mL cystocentesi, clean catch or catheterized urine in sterile container or red top tube	2-3 D
ADD210	* Add-on Urine (culture) with FIRSTract and MIC		
ONCOLOGY			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
	Biopsy, voir Cancer Pathology Service (Biopsy)		
CT1025	CADET BRAF (canine) This assay evaluates free-catch urine samples from dogs for the presence of cells harboring the b-raf mutation or specific copy number variations associated with transitional cell carcinoma/urothelial carcinoma/prostatic carcinoma. You must complete the Cadet-Braf request form available on our Website. * Urine must be put in BRAF container within 15 minutes of collection and can be collected over multiple days; call customer service to order the BRAI container).	40 mL Urine *	4 D
CFBXNEO	Cancer Pathology Service (Biopsy) Use the histopathology request form and indicate evaluation of Biopsy - oncology. The biopsy is assigned to one of the Cancer Pathology Team Members, 2 additional members of the Team will evaluate the biopsy and provide their opinion. One report is written with the consensus of all 3 Pet Cancer Pathology Team Members.	Biopsy	5 D
CFBXTBR	Review - Cancer Tumor Board (Biopsy) A second opinion review of an Antech or other lab biopsy case was performed by three pet cancer specialty pathologists (tumor Board). with one report containing consensus.	Slide	5 D

PARASITOLOG	e Y		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BV0086	Babesia (smear)	1.0 mL EDTA whole blood (L)	$^{\circ}$
CT785	Baermann	30 g Feces	5-7 D
CT820	Giardia ELISA	5 g Feces	(*)
CT613	Heartworm (Difil test) Keep cool. Also available, Heartworm-Ac or Heartworm-Ag (Serology section).	1.0 mL EDTA whole blood (L)	(P)
	Hemobartonellosis (smear), see Hemotropic mycoplasmas in Hematology section		
	Ova & Parasites, see Parasitology		
CT805	Parasitologie (canine & feline ONLY) Keep cool. We are using Zinc Sulphate double centrifugation technique.	5 g Feces	()
BVAD09	Add-on Parasitology (canine & feline ONLY)	5 g Feces	()
	Parasitology for other species, see Exotic animals section		
	Zinc Sulphate, see Parasitology		
PATHOLOGY / 0	CYTOLOGY / HISTOPATHOLOGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CBONE	Bone marrow (aspiration) Submit 3 to 6 slides made immediately after collection (unstained) and the rest of the sample into EDTA tube.	Smear + EDTA whole blood (L)	
	Cancer Pathology Service (Biopsy), see Oncologie section		
CFLUA	Cytology (fluids/lavage analysis) Submit the sample in an EDTA tube. Keep refrigerated and submit as soon as possible. Also submit air-dried fluid smears prepared immediately after collection. If the sample appears to be slightly cellular, centrifuge a portion of the sample and smear from the sediment. Mention the method used. Use the cytology and histopathology request and provide as much relevant detail as possible.		•
ссүто	Cytology (mass/tissue) (1 to 2 sites) It is recommended to submit 2 to 4 slides per mass. Properly identify the slides with the sample site, patient name and owner. If you need help for technique for sampling and spreading slides, contact us. Use the cytology and histopathology request and provide as much relevant detail as possible.		()
ССҮТЗ	Additional site		
СГВХ	Histopathology (1 to 4 tissues) Place the sample in 10% formalin. The formalin volume should be at least 10 times that of the tissue. Use containers with a wide mouth. Hollow organs (e.g., intestines) should be open lengthwise before being placed in formalin to ensure good fixation of the mucosa. For all excisional biopsies, margins will be assessed. If you have a large mass to send, please refer to Appendix 7. Use the cytology and histopathology request and provide as much		3-5 D
	relevant detail as possible.		
CFBX5	Additional tissue		

PATHOLOGY / C	CYTOLOGY / HISTOPATHOLOGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CFBX	Histopathology following up a cytology Note: You must send us the case within 60 days after submitting the first case. It is important to indicate your order number from the previous case.		
	* These tests are performed from Monday to Friday.		
IHC2	Immunohistochemistry 🗗 This test is done externally.		
PCR			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CS14421	Anaplasma phagocytophilum qPCR * One or more ticks placed in an airtight container without additives. Also available in profile, see Borrelia spp. + Anaplasma phagocytophilum and Tick borne diseases	Ticks* or 1.0 mL Whole blood EDTA (L)	3-4 D
	Anemia, see Feline infectious anemia profile		
BV1129	Borrelia spp. + Anaplasma phagocytophilum qPCR * One or more ticks placed in an airtight container without additives. Also available in profile, see Tick borne diseases.	Ticks*	3-4 D
CS86320	Chlamydophila felis qPCR * Pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated. Also available in profile, see Respiratory profile (feline).	Pharyngeal or conjunctival swab	1-2 D
BV1144	Dermatophytes (Ringworm) qPCR Samples of hair and/or hair dander (min 10) or culture media with		1-2 D
	hair. Take the hair and dander from border of lesions in an empty sterile container. In the absence of visible lesions, brush the coat with a toothbrush. The main zoophilic species detected are: Microsporum spp., Microsporum canis, Trichophyton spp (benhamiae, bullosum, equinum, erinacei, mentagrophytes, quinckeanum, simi, verrucosum) and Nannizzia gypsea (essentially geophilic species, formerly known as Microsporum gypseum). These three species or species complexes are now highlighted using a new real-time PCR (qPCR) multiplex. See also Ringworm (Fungal culture) in Microbiology section.		
BV1232	Digestive profile (diarrhea - canine) qPCR The profile includes C. perfringens enterotoxine, Clostridium difficile toxine A and toxine B, Campylobacter coli, Campylobacter jejuni, Cirocovirus, Enteric coronavirus, Cryptosporidium spp., Giardia duodenalis, Parvovirus type 2., Salmonella spp., and Distemper. For further information, see Appendix 5	1 g Feces	2-3 D
BV1116	Digestive profile qPCR with parasitology	1 g Feces	2-3 D
BV1233	Digestive profile (diarrhea - feline) qPCR The profile includes C. perfringens enterotoxine, Clostridium difficile tox A and tox B, Campylobacter coli, Campylobacter jejuni, Cryptosporidium spp., Coronavirus, Feline Panleukopenia virus, Giardia duodenalis, Salmonella spp., Rotavirus A, Toxoplasma gondii, Tritrichomonas Fœtus. For further information, see Appendix 5.	1 g Feces	2-3 D
BV1142	Digestive profile qPCR with parasitology	1g Feces	2-3 D
BV1247	Feline infectious anemia profile qPCR Includes Anaplasma spp, Bartonella, Cytauxzoon felis, Ehrlichia spp, Hemotropic mycoplasma by PCR and VIF/FeLV (ELISA).	2.0 mL EDTA whole blood (L)	48 h
	Hemobartonellosis, see Hemotropic mycoplasmas		

PCR			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT985	Hemotropic mycoplasmas (Feline) Keep cool. Detects and differentiates between Mycoplasma haemofelis and Mycoplasma haemominutum.	0.5 mL EDTA whole blood (L)	1-2 D
BV0012	Influenza A (canine or feline) pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated. Also available in profile, see Respiratory profile (canine or feline).	pharyngeal or conjunctival swab	1-2 D
СТ991	KeyScreen qPCR — Parasites GI This profile includes the following 20 gastrointestinal parasites and the 2 genetic markers: Ancylostoma spp., benzimidazole resistance - Ancylostoma, Baylisascaris procyonis, Cryptosporidium canis, Cryptosporidium felis, Cytoisospora spp. (Isospora), Dipylidium caninum, Echinococcus granulosus, Echinococcus multilocularis, Eimeria spp, Giardia duodenalis, Giardia A and B zoonotic strains, Neospora caninum, Taenia spp., Toxascaris leonina, Toxocara canis, Toxocara cati, Toxocara spp., Toxoplasma gondii**, Trichuris vulpis, Tritrichomonas blagburni** (T. foetus) and Uncinaria stenophala. ** These parasites are not detected in dogs.	1 g Feces	1-2 D
CADD350	Add-on KeyScreen qPCR —Parasite GI	1 g Feces	1-2 D
CT974	Leptospira spp. qPCR (EDTA whole blood) Refrigerate	1.0 mL EDTA whole blood (L)	2-3 D
СТ976	Leptospira spp. qPCR (urine) Refrigerate	10 mL Urine	2-3 D
BV7015	MiDOG® Next generation DNA sequencing Microbial Test Swab (tongue, feces, ear or skin) or urine (2 mL) Room temperature. Collection kits, instruction and information available on our brochures: biovet.ca/en/midog or biovet.ca/en/midog-urine, identification of bacterial and fungi pathogens to guide the design of targeted and accurate therapies. This test is done externally.		5-8 D
BV7008	Polykystic Kidney disease (PKD) Toral Sample using interdental brushes. This test is done externally.	■ 1.0 mL Whole blood EDTA (L)	14 D
BV1235	Respiratory profile (canine) In pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated. The profile includes Adenovirus-2, Bordetella bronchiseptica, Distemper, Respiratory Coronavirus, Herpesvirus, Influenza A, Mycoplasma canis, Mycoplasma cynos, Parainfluenza,, Pneumovirus and Streptococcus equi ssp zooepidemicus. For the possible addition a sensitivity test, please send us two swabs from the same site. An isolation fee will then be added, in order to isolate the bacteria.	■ pharyngeal or conjunctival swab	1-2 D
BV1234	Respiratory profile (feline) pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated. The profile includes, Herpesvirus, Calicivirus, Influenza A, Bordetella bronchiseptica, Chlamydophila felis and Mycoplasma felis. For the possible addition a sensitivity test, please send us two swabs from the same site. An isolation fee will then be added, in order to isolate the bacteria.	pharyngeal or conjunctival swab	1-2 D

PCR			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
SALT	Salmonella serotyping Salmonelle spp. culture must have been done previously.	Isolate	5-10 D
BV0018	Salmonella spp. Also available in profile, see Digestive profile (diarrhea) .	1 g Feces	2-3 D*
BV1231	Tick borne diseases qPCR (tick) ① One or more ticks placed in an airtight container without additives. Detection of Borrelia spp., Anaplasma phagocytophilum, Babesia spp, and Ehrlichia spp.	■ Ticks	3-4 D
BV1156	Tick borne diseases qPCR (blood) Detection of Borrelia spp., Anaplasma phagocytophilum, Babesia spp, and Ehrlichia spp.* * Borrelia spp: available ONLY on tick.	1.0 mL EDTA whole blood (L)*	3-4 D
C\$85819	Tritrichomonas Fœtus (feline) Also available in profile, see Digestive profile (diarrhea).	1 g Feces	2-3 D
BV7010	Von Willebrand Type 1 (PCR) ① Oral Sample using interdental brushes. This test is done externally.	■ 1.0 mL EDTA whole blood (L)	14 D
BV7194	Von Willebrand Type 2 (PCR) ☐ Oral Sample using interdental brushes. This test is done externally.	■ 1.0 mL EDTA whole blood (L)	14 D
BV7194	Von Willebrand Type 3 (PCR) Oral Sample using interdental brushes. This test is done externally.	■ 1.0 mL EDTA whole blood (L)	5-10 D
	Other infectious agents available upon request		
BV1156	Tick borne diseases qPCR (blood) Detection of Borrelia spp, Anaplasma phagocytophilum, Babesia spp, and Ehrlichia spp.* * Borrelia spp: available ONLY on tick.	1.0 mL EDTA whole blood (L)*	3-4 D
SEROLOGY/IMA	MUNOLOGY/VIROLOGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
	2M Ab, voir Masticatory muscle myositis		
CAC100	* Accuplex® This is a canine vector-borne disease screening for heartworm, Lyme disease (includes screening for antibodies against two C6 peptides), Ehrlichia canis, and Anaplasma phagocytophilum.	0.5 mL Serum (S)	1-2 j
CT515	ANA (Antinuclear Antibody) This test is done externally.	1.0 mL Serum (S)	7-14 D
	Anaplasma phagocytophilum - available in profile, see Accuplex [®]		
BV7090	Babesia canis & B. gibsoni (IFA) 🖆 This test is done externally.	1.0 mL Serum (S)	14 D
BV7051	Bartonella henselae & B. vinsonii	1.0 mL Serum (S)	14 D

SEROLOGY/IMI	MUNOLOGY/VIROLOGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT530	Brucella Canis - Screen	0.5 mL Serum (S)	4 D*
CS16003	Brucella Canis Kansas agg 2-ME TAT ① This test is done externally (KSVDL) for canine EXPORT.	0.5 mL Serum (S)	7 D
	Coombs, see Hematology section		
CT570	Ehrlichia canis (Ab IFA) 🖆 This test is done externally.	1.0 mL Serum (S)	14 D
	Ehrlichia canis/ewingii - available in profile, see Accuplex®		
CT580	FeLV-Ag-ELISA (screening)	0.3 mL Serum (S) or EDTA whole blood (L) or EDTA plasma (PL)	()
CT585	FeLV-Ag-IFA	1.0 mL Whole blood EDTA (L)	4 D ‡
CT595	FIP-Ab- Coronavirus-IFAT ① This test is done externally.	1.0 mL Serum (S)	2-3 D
CT610	FIV-Ab-ELISA (screening)	0.3 mL Serum (S) or EDTA whole blood (L) or EDTA plasma (PL)	D
CS16865	FIV-Ab-Western blot 🖆 May be positive if pet vaccinated against FIV. This test is done externally.	1.0 mL Serum (S)	7 D
	Heartworm (canine) - available in profile ,see Accuplex®		
	Heartworm, Lyme, Ehrlichia & Anaplasma, see Accuplex®		
СТ625	Heartworm Ab-feline	1.0 mL Serum (S)	4 D*
CT615	Heartworm-Ag canine	1.0 mL Serum (S)	(1)
СТ620	Heartworm-Ag feline	1.0 mL Serum (S) or EDTA plasma (PL)	()
BV7086	Leptospirose-Ac-MAT (6 serovars) ① To check for seroconversion, retest in 2 to 3 weeks. This test is done externally.	1.0 mL Serum (S)	7 D
	Lyme disease (canine) - available in profile, see Accuplex®		
BV7005	Myasthenia Gravis (Anti-acetylcholine receptor Ab) Keep cool. Ship with ice-packs. This test is done externally.	2.0 mL Serum (S)	7 D
CS16535	Masticatory muscle myositis (Ab 2M) Ship with ice packs. This test is done externally.	2.0 mL Serum (S)	7-14 D
CS16560	Neospora caninum IFA (canine) 🖆 This test is done externally.	1.0 mL Serum (S)	10 D
CT695	Parvovirus Ag ELISA * Airtight container.	Feces *	(f)
CS17108	Rabies titer (FAVN or RFFIT) ① Fill out the specific form for this analysis. Highly hemolyzed and / or highly lipemic samples are discarded. * Usually 1 month. This test is done externally.	2.0 mL Serum (S)	30 D
CT715	Rickettsia rickettsii (serology) (Rocky Mountain Spotted Fever) This test is done externally.	1.0 mL Serum (S)	14 D

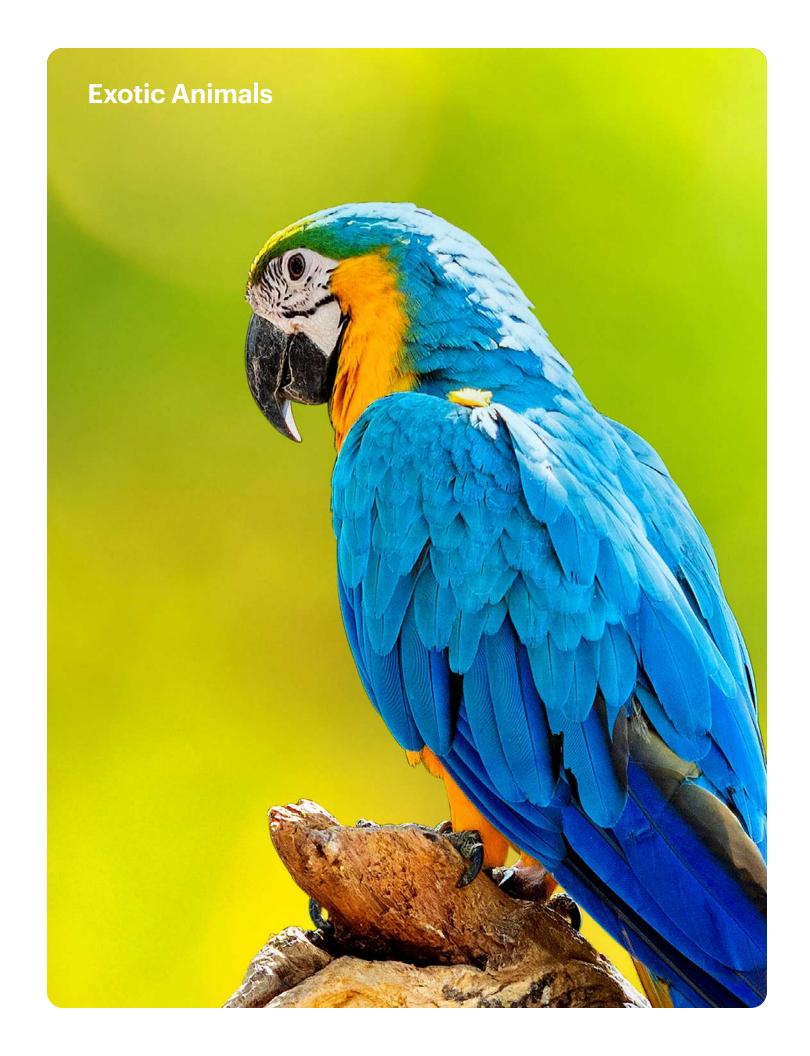
SEROLOGY/IN	MMUNOLOGY/VIROLOGY		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT720	Toxoplasmose-IgM & IgG-IFA	1.0 mL Serum (S)	4 D*
BV7203	Vaccine titer test (canine)	0.5 mL Serum (S)	()
	A single sample is used to test vaccines for 3 diseases (Infectious hepatitis	•	
	Parvovirus and Distemper).		
	'These tests are performed from Monday to Friday.		

UROLOGIE			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT227	Bile Acids/creatinine Ratio Refrigerate.	1.0 mL Urine	3-5 D
CT830C	Microalbuminuria Keep cool.	1.0 mL Urine	1-2 D
CT775	Protein / Creatinine Ratio (urine) Keep cool.	2.0 mL Urine	①
CADD230	Add-on Protein / Creatinine Ratio (urine)	2.0 mL Urine	(P)
CT760	Urinalysis (chemical. physical and microscopic) Keep cool.	5.0 mL urine	1 D
BV1013	Urinalysis with pathologist's comment	5.0 mL urine	1 D
CADD220	Add-on Urinalysis	5.0 mL urine	1 D
CS14540	Urolith analysis Submit in a clean container with Royal Canin's form. This test is done externally.	Urolith	14-21 🛭
BV1153	Urology Profile + CATB (bacteriology) Urinalysis. aerobic culture and interpretation * Result within 24 h for urinalysis and interpretation, but for aerobic culture. allow 24 to 48 h.	5.0 mL urine	1 D*
СМ133	Urology Profile + CMIC (Bacteriology) Urinalysis. aerobic culture. CMIC and interpretation. * Result within 24 h for urinalysis and interpretation, but for aerobic culture. allow 24 to 48 h.	5.0 mL urine	1 D*
СТ925	Urology Profile and Protein/Creatinine Ratio (chemical, physical and microscopic) Keep cool.	5.0 mL urine	•
CT770	Urinary Cortisol/creatinine ratio Keep cool.	2.0 mL Urine	()

Contact us to learn more about our different programs or to check the availability of tests not listed in this guide.

CES AND FEES		
TEST NAME - DESCRIPTION		
Cancellation fees		
Emergency fees (RUSH)		
Intermediate fees		
Quality control for Heska analyzers Please use the appropriate MKT-061 request form	Serum (S) *	()
Element DC / DCX	Serum (S) *	
Element i / i+	Serum (S) *	
Eurolyser Solo	Serum (S) *	
Eurolyser Cube	Serum (S) *	
Element HT5	EDTA whole blood [L]*	
VetABC+ * The minimum quantity required may vary according to the different tests submitted.	EDTA whole blood [L]*	
Pathologist's comments		
Pathologist's comments – on results of your in-house analyzers from Biove	t.	
Sample pool (max 5)		
Cooler upon request		
	TEST NAME - DESCRIPTION Cancellation fees Emergency fees (RUSH) Intermediate fees Quality control for Heska analyzers Please use the appropriate MKT-061 request form Element DC / DCX Element i / i+ Eurolyser Solo Eurolyser Cube Element HT5 VetABC+ * The minimum quantity required may vary according to the different tests submitted. Pathologist's comments Pathologist's comments – on results of your in-house analyzers from Biove Sample pool (max 5)	Cancellation fees Emergency fees (RUSH) Intermediate fees Quality control for Heska analyzers Please use the appropriate MKT-061 request form Element DC / DCX Serum (S) * Element i / i+ Serum (S) * Eurolyser Solo Serum (S) * Eurolyser Cube Serum (S) * Element HT5 EDTA whole blood [L]* VetABC+ * The minimum quantity required may vary according to the different tests submitted. Pathologist's comments Pathologist's comments – on results of your in-house analyzers from Biovet. Sample pool (max 5)

Prices are subject to change without notice.



Exotic Animals: Test Offers

Exotic animals: availability of tests by species

These symbols indicate for which species the tests are available.

[N]	New companion animals (NAC): rabbits. mice. hamsters. ferrets and other small mammals
[B]	Birds: including domestic fowls and exotic birds
[R]	Reptiles: turtles. lizards. snakes and other reptiles

	cotic Profiles And Components	Complete CBC	Patho.'s comments	Uric acid	Albumin			Creatinine	Glucose	Total Proteins		Globulins	Cholesterol	Calcium	Phosphorus	A/G Ratio	Na/K Ratio	Sodium	Potassium)2		Chloride	Amylase	Total Bilirubin			dir. ind.Bilirubin		Creatine Kinase (CK)	Bile acids Total or Free T4
CODE	TEST NAME	Con	Path	Uric	Albu	ALP	ALT	Cre	Gluc	Tota	BUN	Glo	Cho	Calc	Pho	A/G	Na/I	Sod	Pota	$TCO_{\scriptscriptstyle 2}$	Gap	Chic	Am)	Tota	GGT	AST	dir.	LDH	Cre	Bile
HEALT	'H PROFILES																													
BV1157	AVIAN [B]	•		•	•				•	•		•	•	•		•										•				•
BV1160	AVIAN with CK [B]	•		•	•				•	•		•	•	•		•										•			•	•
BV1158	AVIAN II [B]	•		•	•	•			•	•	•	•	•	•	•											•		•	•	•
BV1159	AVIAN III [B]	•		•	•	•	•		•	•	•	•	•	•	•										•	•		•	•	•
BV1173	AVIAN CHEMISTRY [B]			•	•				•	•		•	•	•	•											•				•
BV1215	AVIAN CHEMISTRY with CK [B]			•	•				•	•		•	•	•	•											•			•	•
BV1001	CHEMISTRY [N]				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•			•	
BV1161	CHEMISTRY NAC/Rabbit [N]	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								
BV1008	Éval. GÉRIATRIQUE [N]	•			•	•	•	•	•	•	•	•		•	•	•	•	•	•			•								•
BV1006	HEPATIC [N]				•	•	•		•	•	•	•	•			•								•	•	•	•			
BV1027	PM 15 Pre-op) [N]				•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•						
BV1009	PRE-OP +[N]	•				•	•	•	•	•	•	•				•	•	•	•			•								
BV1246	PREANESTHESIA/MINI-PROFILE [N]				•	•	•	•	•	•	•	•				•	•	•	•			•								
BV1004	RENAL [N]				•			•	•	•	•	•		•	•	•		•	•	•	•	•								
BV1167	REPTILE 1 [R]	•		•	•				•	•		•		•	•	•										•			•	•
BV1168	REPTILE 2 [R]	•		•	•				•	•		•		•	•	•										•				

For these profiles:

[N] Sample: 1.0 mL serum (S) • Turnaround Time

[B] [R] Sample: 1.0 mL Heparinized whole blood (G) (S) • Turnaround Time

Complete CBC: Add 1.0 mL Whole blood EDTA (L)

COMPLE	TE YOUR PROFILES WITH THESE ADD-ONS**
CADD190	Total T4
CADD220	Urinalysis
CADD230	Urinary proteins/creatinine ratio

**To obtain the Add-On price. the clinic must have performed a blood test with Biovet blood analyser or at the Biovet laboratory. If the clinic has performed the blood test with the analyser, the results must be provided as evidence. The blood test and add-on analysis must be for the same animal. The clinic has 72 hours after the blood test to request an Add-On analysis.

CHEMISTRY (E	EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ010	Albumin [N-B-R]	0.3 mL Serum (S)	(1)
СТ020	ALP (Alkaline phosphatase) [N-B-R]	0.3 mL Serum (S)	()
СТОЗО	ALT [N-B-R]	0.3 mL Serum (S)	(*)
CT040	Amylase [N-B]	0.3 mL Serum (S)	()
СТ060	AST [N-B-R]	0.3 mL Serum (S)	()
CT225	Bile Acids (baseline) [B-R]	0.3 mL Serum (S)	(1)
СТ070	Bilirubin. directe [N-B-R]	0.3 mL Serum (S)	(1)
СТ090	Bilirubine. total [N-B-R]	0.3 mL Serum (S)	(1)
CT100	BUN (urea) [N-B-R]	0.3 mL Serum (S)	()
CT110	Calcium (total) [N-B-R] Avoid lipemia.	0.3 mL Serum (S)	()
CS18537	 Calcium. ionized [N-B] Fasting is necessary. Avoid hemolysis and lipemia. - Do not open cap Sample requirement for accurate measurement of ionized calcium (iCa2+) is serum that has been anaerobically transferred from the spun SST or RTT (using a needle and syringe to avoid air exposure) into a plain unopened red top vacutainer. Puncture the stopper with the syringe needle and allow the serum to be transferred under pressure. - Do NOT open this tube prior to testing. - Please boldly label the sample tube as "IONIZED CALCIUM SERUM" and keep frozen or refrigerate. Samples that have been exposed to air may have artifactually decreased (iCa2+) and those transported in SST tubes may have been artifactually increased (iCa2+). † The tube submitted for this test will be used ONLY for this analysis, if you require other tests, please provide another tube. 	0.3 mL Serum (S) †	3 D
CT120	Chloride [N-B-R]	0.3 mL Serum (S)	()
CT125	Cholesterol [N-B-R]	0.3 mL Serum (S)	(1)
	CO ₂ , see TCO ₂		
	Cobalamine, see Folate + cobalamine		
CT130	Creatine Kinase (CK) [N-B-R]	0.3 mL Serum (S)	①
CT135	Creatinine [N-B-R]	0.3 mL Serum (S)	①
CS16195	Folate + cobalamine (vitamine B12) [N] A 12-hour fast is recommended. Avoid hemolysis. Separate the serum from the RBCs and freeze. Protect from light.	1.0 mL serum. amber tube	3 D

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT145	GGT [N-B-R]	0.3 mL Serum (S)	•
СТО11	Globulins (Alb & PT) [N-B-R]	0.3 mL Serum (S)	()
CT150	Glucose [N-B-R] Avoid hemolysis, quickly separate the serum from the red blood cells.	0.3 mL Serum (S)	()
CT170	Magnesium [N-B-R]	0.3 mL Serum (S)	()
CT180	Phosphorus [N-B-R]	0.3 mL Serum (S)	(*)
CT185	Potassium [N-B-R]	0.3 mL Serum (S)	()
CT195	Sodium [N-B-R]	0.3 mL Serum (S)	O
CT115	TCO ₂ (Bicarbonates) [N-B-R]	0.3 mL Serum (S)	(*)
CT190	Total Proteins [N-B-R] Avoid hemolysis and lipemia.	0.3 mL Serum (S)	O
CT205	Triglycerides [N-B-R] Fast 12-18 hr.	0.3 mL Serum (S)	(
CT210	Uric acid [B]	0.3 mL Serum (S)	()
	Vitamine B12, see Folate + cobalamine		
BV7080	Zinc ① [B] This test is done externally.	0.3 mL Serum (S)	7 D

Cytology, see Pathology / Cytology / Histopathology

ENDOCRINOLO	OGY (EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT470	Insulin and glucose [N] Animal shoud be fasted prior to sampling. Centrifuge. separate and freeze in a plastic tube. Take blood when the patient is hypoglycemic.	1.0 mL Serum (S)	3 D
CT499	Free T4 [N-O-R]	0.3 mL Serum (S)	•
CT495	Total T4 [N-B]	0.3 mL Serum (S)	()
CADD190	Add-on Total T4		

HEMATOLOGY	(EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BV1197	CBC (Complete Blood Count) [N] If possible. submit 2 blood smears. not stained. immediately after collection with EDTA blood. The EDTA tube should be kept cold. Avoid lipemia. sample <48 hours. Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM). differential, microscopic examination, reticulocyte count (if anemia). An evaluation of the blood smear is performed by technicians on each complete hematology which includes a differential check, description of red and white blood cell morphology, confirmation of platelet count, reticulocyte count if the patient is anemic. If an abnormality or unidentified cells are observed during this evaluation, the blood smear is then submitted to a pathologist for verification.	1.0 mL EDTA whole blood (L)	•
CAE270	CBC (Complete Blood Count) [B-R] If possible. submit 2 blood smears, not stained. immediately after collection with EDTA blood. The EDTA tube should be kept cold. Avoid lipemia, sample <48 hours. Includes hematocrit, WBC, thrombocytes, differential, microscopic examination. An evaluation of the blood smear is performed by technicians on each complete hematology that includes a differential check, description of red and white blood cell morphology. If an abnormality or unidentified cells are observed during this evaluation, the blood smear is then submitted to a pathologist for verification.	1.0 mL Heparinized whole blood (G)	•
CT415	Coagulation (PT, PTT) [N]	1.0 mL Citrated plasma (B*) + 1.0 mL EDTA whole blood (L)	1-3 D

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CSA305	Coagulation (PT. PTT) avec plaquettes [N] For these tests (mainly for PT and PTT). a good plasma sampling and submission method is absolutely essential to obtain reliable results. Coagulation factors can be destroyed by heat or activated by contact with glass surfaces and clot formation in the sample. Reliable results can be obtained if the following guidelines are followed: 1. For PT. PTT tests it is essential to collect the blood in a citrate tube (blue top tube). These tubes (as well as plastic tubes) are available at no charge from customer service upon request. 2. A clean puncture of the vein must be performed. Repeatedly puncturing the vein walls or a slow blood flow can activate the coagulation cascade. a. If you use vacutainer tubes, it will be important to completely fill the citrated tube in order to respect the citrate ratio: 1: 9. b. If you use screw-cap tubes and a syringe, it will be important to fill the tube to the top edge of the label to respect the citrate: blood ratio. 3. Less than 15 minutes after collection. centrifuge tubes for 15 minutes at 3000 RPM. Keep the cap on the tube during centrifugation. When separating plasma, it is important not to aspirate red blood cells. If the plasma is hemolyzed or contains clots, the sample should be taken again. At least 0.4 ml of plasma is needed to perform the tests. 4. For separation. the plasma must be collected with a plastic pipette and placed in a plastic tube. Clearly identify the tube with the patient's name, age and time of collection, and indicate "citrated plasma" on the tube to be submitted. If you do not have plastic tubes, you can use a citrated tube previously emptied of its anticoagulant. 5. Freeze sample and send on ice. 6. For PT and PTT tests, each Patient sample must be accompanied by a Control sample. The control sample is a sample of citrated plasma taken from a healthy animal of the same species as your patient and handled in the same way as the sample of the sick patient. This sample is analyzed at the same time as th	1.0 mL Citrated plasma (B*) + 1.0 mL EDTA whole blood (L)	1-3 D
СТ375	Hematocrit [N-B-R]	1.0 mL EDTA whole blood (L)	①
СТ385	Hemoglobin [N] Keep cool, avoid lipemia.	1.0 mL EDTA whole blood (L)	•
CT400	Platelets [N-R]	1.0 mL EDTA whole blood (L)	①
CT430	WBC [N-B-R]	1.0 mL EDTA whole blood (L)	()

Histopathology, see Pathology / Cytology / Histopathology

MICROBIOLO			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СМ070	Aerobic culture [N-B-R] Refrigerate; sterile container or swab with transport medium (not dry swab). Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture.	250 μl urine or 10 μl liquid, tissue, swab, other	1 D (urine) 2-5 D (other
	Antimicrobial susceptibility, see CATB		
BV0240	CATB (Aerobic culture + Sensitivity)* [N-O-R] Refrigerate; sterile container or swab with transport medium (not dry swab). If you don't have 250 µl urine. a culture will be performed without FIRSTract and this will take a longer TAT. Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture. See also Appendix 5: Antibiotic profiles (Sensitivity). * Kirby-Bauer method.	250 μl urine or 10 μl liquid, tissue, swab, other	1 D (Urine) 2-5 D (Other
ADD210	Follow-up Aerobic culture + Sensitivity* Follow-up culture on same source may be ordered within 30 Days of original submission of an Aerobic Culture. Indicate order number and date of the original submission on the requisition form. * Kirby-Bauer method		
СМ030	Anaerobic culture [N-O-R] Refrigerate; sterile container as small as possible for the sample so that there is as little air as possible in the container, or a swab with a solid transport medium. Anaerobic organisms are sensitive to cold and should be kept at room temperature. Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture.		
BV1242	Aerobic + Anaerobic culture + Sensitivity * 2 samples are required: 1 for aerobic culture and the other for anaerobic culture.	2 samples *	
СМО61	Blood culture + Antibiotic sensitivity [N] ■ Must use One-bottle. Blood culture system. follow the incubation protocol and DO NOT REFRIGERATE. This test detects the growth of aerobic anaerobic and micro-aerophilic organisms from blood samples using the blood culture system. * Preliminary results can come out as quickly as the day after reception, but for a negative result it is necessary to wait 7 days. A preliminary report will be sent as soon as possible.		1-7 D*
TRD-760	One-bottle, Blood culture system		
CM225	Campylobacter jejuni/coli/lari (culture) [N-O-R] Also available in profile, see Fecal culture.	1 g Feces	5-10 D
BV1143	Clostridium perfringens (culture) [N-O-R] Also available in profile, see Fecal culture.	1 g Feces	3-6 D
CM020	CMIC (Culture and MIC) [N-O-R] Refrigerate; sterile container or swab with transport medium (not dry swab). To learn more on MIC, see Appendix 6	250 μl Urine ou 10 μl liquid, tissue, swab, other	48-78 h

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BVO241	Follow-up - CMIC (Culture and MIC) Follow -up CMIC on same source may be ordered within 30 Days of original submission of an CMIC. Indicate order number and date of the original submission on the requisition form.		
BV1143	Fecal culture + sensitivity [N-O-R] Includes aerobic culture, Campylobacter jejuni/coli/lari, Clostridium perfringens, Salmonella spp., and Shigella.	10 g Feces	3-10 D
СМ080	Fungus (Isolation) [N] Refrigerate; sterile container.	Skin scraping; swab; other	7-10 D
СМ110	Mycoplasma (culture) [N-O] Also available Mycoplasma spp., see PCR section	Tissue, swab	7-10 D
CM121	Salmonella (culture) [N-O-R] Refrigerate; sterile container Also available in profile, see Fecal culture and Serotyping, see PCR section	Tissue; feces; other	4 D
	Sensitivity, see CATB		
PARASITOLO	GY (EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT820	Giardia ELISA [N-O-R] Keep cool.	5 g Feces	()
	Ova & parasites, see Parasitology		
CT805	Parasitology 🖆 [N-O-R] This test is done externally.	5 g Feces	5 D
	Zinc Sulfate, see Parasitology		
PATHOLOGY /	CYTOLOGY / HISTOPATHOLOGY (EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CFLUA	Cytology (fluids/lavage analysis)	3	•

PATHOLOGY ,	/ CYTOLOGY / HISTOPATHOLOGY (EXOTIC)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CFLUA	Cytology (fluids/lavage analysis) [N] Submit the sample in an EDTA tube. Keep refrigerated and submit soon as possible. Also submit air-dried fluid smears prepared immediately after collect the sample appears to be slightly cellular, centrifuge a portion of the and smear from the sediment. Mention the method used. Use the cyton and histopathology request form and provide as much relevant deta possible.	etion. If e sample tology	•
ссуто	Cytology (mass/tissue) (1 to 2 sites) [N-O-R] It is recommended to submit 2 to 4 slides per mass. Proper identify the slides with the sample site, patient name and owner. If you help for technique for sampling and spreading slides, contact us. Us cytology and histopathology request form and provide as much reledetail as possible.	ou need se the	①
ССҮТ3	Additional site		

PATHOLOGY /	CYTOLOGY / HISTOPATHOLOGY (EXOTIC)		
ODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
FBX	Histopathology (1 to 4 tissues) [N-O-R] ■ Place the sample in 10% formalin. The formalin volume should be at least 10 times that of the tissue. Use containers with a wide mouth. Hollow organs (e.g., intestines) should be open lengthwise before being placed in formalin to ensure good fixation of the mucosa. For all excisional biopsies. margins will be assessed. Use the cytology and histopathology request form and provide as much relevant detail as possible.		
FBX5	Additional tissue		
CR (EXOTIC)			
ODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
sV7070	Bornavirus ① [B] III Fecal swab. feces or 0.2 mL EDTA whole blood (L). This test is done externally		3 D
8V0132	Bird sexing [O] ■ 3 to 4 feathers or FTA card. Only 3-4 small feathers from the chest or the base of the neck.		5-10 D
3V7021	Chlamydia-spp-PCR ① (anc.C. Psittacci) [O] I Cloacal swabs. Feces. 2.0 mL EDTA whole blood (L) or Heparinized (G). This test is done externally.		2 D
CS86319	Cryptosporidium spp. qPCR [N-R]	Feces	2-3 D
3V1144	Dermatophytes (Ringworm) qPCR [N] Samples of hair and/or hair dander (min 10) or culture media with hair. Take the hair and dander from border of lesions in an empty sterile container. In the absence of visible lesions, brush the coat with a toothbrush. The main zoophilic species detected are: Microsporum spp., Microsporum canis, Trichophyton spp (benhamiae, bullosum, equinum, erinacei, mentagrophytes, quinckeanum, simii, verrucosum) and Nannizzia gypsea (known as Microsporum gypseum). These three species or species complexes are now highlighted using a new real-time PCR (qPCR) multiplex.		1-2 D
3V12O9	* Ferret Digestive profile (diarrhea) qPCR [N] This profile includes detection of Campylobacter jejuni. Cryptosporidium spp., Giardia spp., Rotavirus C, Salmonella spp., Lawsonia intracellularis, Distemper, Eimeria spp.	Feces	2-3 D
3V0005	Guardia spp. qPCR [N-B]	5 g Feces	2-3 D*
3VOO12	Influenza A qPCR [N] In pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated.	pharyngeal or conjunctival swab	1-2 D*
3V7089	Mycoplasmas PCR (Avian) ௴ (MG-MS-Mm-Mi) [N-B-R] This test is done externally.	nasal swab	4 D
CS16789	Mycoplasma spp qPCR [N] In pharyngeal or conjunctival swab. Collect the sample with a dry cotton swab and put it in a dry tube without transport medium. Keep refrigerated.	npharyngeal or conjunctival swab	1-2 D*
3V113O	qPCR parasites profile [N]Includes Cryptosporidium spp. and Giardia spp.	Feces 4	1-2 D*

UROLOGY (EXC	отіс)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ775	Protein/Creatinine Ratio [N](chemical, physical and microscopic) Keep cool.	5.0 mL urine	•
CADD230	Add-on Urinary prot./creatinine ratio	2.0 mL urine	①
СТ760	Urinalysis [N] (chemical, physical and microscopic) Keep cool.	5.0 mL urine	1 D
BV1013	Urinalysis with pathologist's comment	5.0 mL urine	1 D
CADD220	Add-on Urinalysis	5.0 mL urine	1 D
CS14540	Urolith analysis (1) [N] Submit in a clean container with Royal Canin's form. This test is done externally.	Urolith	14-21 D

Contact us to learn more about our different programs or to check the availability of tests not listed in this guide.

OTHER SERVI	CES AND FEES (EXOTIC)
CODE	TEST NAME - DESCRIPTION
BVFR03	Cancellation fees
BVFR08	Emergency fees (RUSH)
BVFR06	Intermediate fees
CREVW	Pathologist's comments
CREVW	Pathologist's comments – on results of your in-house analyzers from Biovet.
BVFR02	Pooling fees (max. 5 samples)
	Cooler upon request

Prices are subject to change without notice.



Equine – Tests Offered

	PROFILES (EQUINE)	CAMPIE	
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BV1229	Basic Health Program Includes: Biovet complete equine Profile (see below). Wisconsin. * Except for Wisconsin which takes 1 to 2 days.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S) + 5 g Feces	*
	CBC (complete blood count), see HEMATOLOGY section		
BV1137	Chemistry Profile Includes: Albumin, ALP, AST, Bilirubin - tot., dir., indir., Ca, Cl, CK, Creatinine, Gap, GGT, Globulins, Glucose, K, Na, P, Total Proteins, A/G Ratio, TCO ₂ , BUN.	1.0 mL Serum (S)	Ů
BV1120	Complete Biovet Profile Chemistry Profile (same as above) and CBC, (see HEMATOLOGY section)	1.0 mL EDTA whole . blood (L) + 1.0 mL Serum (S)	(f)
BV1119	Complete Biovet Profile with pathologist's comment		
BV1228	Complete Health Program Includes: Biovet complete Profile (see above). Equine infectious anemia (EIA) Ab ELISA. Wisconsin. * It is highly recommended to submit one tube for biochemistry and another for EIA test. ** Except for EIA and Wisconsin for which it takes 1 to 2 days. EIA tests are performed Monday to Friday.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S)* + 5 g Feces	** **
	Digestive profile PCR, see PCR section		
	EMS (Metabolic Syndrome profile), see Endocrinology section		
BV1125	Health Profile Chemistry: AST, CK, Cl, TCO ₂ , Creatinine, Gap, GGT, K, Na. Total Proteins. Hematology: Hematocrite, Hemoglobin, Erythrocytes. WBC, platelet. Cell morphology.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S)	O
BV1124	Health Profile plus Same as Health Profile above, but with fibrinogen	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S)	()
BV1133	Health Program - Performance Includes: Biovet complete Profile (see above), Equine infectious anemia (EIA) Ab ELISA. * It is highly recommended to submit one tube for biochemistry and another for EIA test. ** Except for EIA for which it takes 1 to 2 days, EIA tests are performed Monday to Friday.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S)*	P**
BV1230	Health Program - Senior Includes: Biovet complete Profile (see below). Endogenous ACTH, insulin, Equine infectious anemia (EIA) Ab ELISA, Wisconsin. * It is highly recommended to submit one tube for biochemistry and another for EIA test. ** See instruction for ACTH test in endocrinology section. *** Except for EIA and Wisconsin for which it takes 1 to 2 days. up to 3 days for Endogenous ACTH and up to 5 days for insulin. EIA tests are performed Monday to Friday.	1.0 mL EDTA whole blood (L) + EDTA plasma (PL) ** 1.0 mL Serum (S)* + 5 g Feces	(*) ***

ROFILES (EQUINE)		
TEST NAME - DESCRIPTION	SAMPLE	TAT
Hepatic Profile with SDH ① Albumin. ALP. AST. Bilirubin tot., dir., indir., GGT, Globulins, Glucose, Total Proteins, A/G Ratio, BUN and SDH. * Except for SDH which is done externally.	1.5 mL Serum (S)	⊕ *
Muscular Profile Includes: Albumin, AST, CK, CI, TCO_2 , Creatinine, Gap, Glucose, K, Na, Total Proteins, BUN.	1.0 mL Serum (S)	①
Renal Profile / hydric balance Includes: Albumine, Ca, Cl, Creatinine. Gap. Globulins. Glucose, K, Na, P, Total Proteins, A/G Ratio., TCO ₂ , and BUN.	1.0 mL Serum (S)	•
Reproductive profile PCR, see PCR section Respiratory profile PCR see PCR section		
	TEST NAME - DESCRIPTION Hepatic Profile with SDH Albumin. ALP. AST. Bilirubin tot., dir., indir., GGT, Globulins, Glucose, Total Proteins, A/G Ratio, BUN and SDH. * Except for SDH which is done externally. Muscular Profile Includes: Albumin, AST, CK, CI, TCO ₂ , Creatinine, Gap, Glucose, K, Na, Total Proteins, BUN. Renal Profile / hydric balance Includes: Albumine, Ca, CI, Creatinine. Gap. Globulins. Glucose, K, Na, P, Total Proteins, A/G Ratio., TCO ₂ , and BUN. Reproductive profile PCR, see PCR section	Hepatic Profile with SDH Hepatic Profile with SDH Albumin. ALP. AST. Bilirubin tot., dir., indir., GGT, Globulins, Glucose, Total Proteins, A/G Ratio, BUN and SDH. * Except for SDH which is done externally. Muscular Profile

CHEMISTRY	PROFILES (EQUINE)			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT	PRICE
	Reproductive profile PCR, see PCR section			
	Respiratory profile PCR, see PCR section			

CHEMISTRY (EQU	INE)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ010	Albumin	0.3 mL Serum (S)	()
CT020	ALP Refrigerate or freeze.	0.3 mL Serum (S)	•
СТ030	ALT	0.3 mL Serum (S)	①
СТО60	AST	0.3 mL Serum (S)	(1)
BV1126	AST+CK	0.3 mL Serum (S)	()
CT225	Bile acids (baseline)	0.3 mL Serum (S)	()
СТО80	Bilirubins (dir., indir., total)	0.3 mL Serum (S)	()
СТ100	BUN (urea)	0.3 mL Serum (S)	()
CT110	Calcium (total) Avoid lipemia.	0.3 mL Serum (S)	()
CS18537	Calcium. ionized	0.5 mL Serum (S) †	3 D

Fasting is necessary. Avoid hemolysis and lipemia.

- Do not open cap

Sample requirement for accurate measurement of ionized calcium (iCa2+) is serum that has been anaerobically transferred from the spun SST or RTT (using a needle and syringe to avoid air exposure) into a plain unopened redtop vacutainer. Puncture the stopper with the syringe needle and allow the serum to be transferred under pressure.

- Do NOT open this tube prior to testing.
- Please boldly label the sample tube as "IONIZED CALCIUM SERUM" and keep frozen or refrigerate.

Samples that have been exposed to air may have artifactually decreased (iCa2+) and those transported in SST tubes may have been artifactually increased (iCa2+).

† The tube submitted for this test will be used ONLY for this analysis, if you require other tests. please provide another tube.

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT120	Chloride	0.3 mL Serum (S)	
CT125	Cholesterol	0.3 mL Serum (S)	()
	CO ₂ , see TCO ₂		
BV7073	Copper 🖆	2.0 mL Serum (S)	2-3 [
	This test is done externally.		
CT130	Creatine Kinase (CK)	0.3 mL Serum (S)	()
CT135	Creatinine	0.3 mL Serum (S)	(1)
CT145	GGT	0.3 mL Serum (S)	\mathcal{D}
CT011	Globulins (Alb & PT)	0.5 mL Serum (S)	()
CT150	Glucose	0.3 mL Serum (S)	()
	Avoid hemolysis, quickly separate the serum from		
	the red blood cells.		
CT155	Iron (serum)	0.5 mL Serum (S)	4 D
CT160	LDH	0.5 mL Serum (S)	<u> </u>
BV1127	Magnesium	1.0 mL Serum (S)	()
BV1127	Na-K-CI-TCO ₂	0.3 mL Serum (S)	()
CT180	Phosphorus	0.3 mL Serum (S)	(P)
CT185	Potassium	0.3 mL Serum (S)	()
BV7040	SDH	1.0 mL Serum (S)	1 D
CS16730	Selenium (serum) 🗹	1.0 mL Serum (S)	20 [
	This test is done externally.	.,	
CS17505	Selenium & Vitamin E 🖆	1.0 mL serum. amber	20 🛭
	Please note that vitamin E is photosensitive and should not be exposed to	tube	
	light. It is imperative to centrifuge the sample as quickly as possible, then transfer it to an amber tube and freeze it or place it on ice in order to send it		
	to us as quickly as possible. This test is done externally.		
CT195	Sodium	0.3 mL Serum (S)	()
 CT115	TCO ₂ (Bicarbonates)	0.3 mL Serum (S)	<u> </u>
	Avoid contact with air.		
CT190	Total Proteins	0.3 mL Serum (S)	(P)
	Avoid hemolysis and lipemia.		
CT205	Triglycerides	0.3 mL Serum (S)	P
	Fast 12 to 6 h.		
CS16016	Vitamin D 🖆		20 [
	This test is done externally.		
CS16850	Vitamin E 🖆 Please note that vitamin E is photosensitive and should not be exposed to	1.0 mL serum. amber tube	20 [
	light. It is imperative to centrifuge the sample as quickly as possible, then		
	transfer it to an amber tube and freeze it or place it on ice in order to send it		
	to us as quickly as possible.		
	This test is done externally. Also available as a combo Selenium & vitamin E.	•	
BV7080	Zinc 🗹	0.5 mL Serum (S)	7 D
	This test is done externally.		

	TEAT NAME DECARDATES:	0414717	
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CL525	ACTH (endogenous) Sample is to be sent with an ice pack to be kept cold. Specimen stability is 4 days cold. This one is also run in New York, so TAT should be 3-5 days. Preferred sample: 1.0 mL aprotinin treated EDTA plasma in non-additive transport tube (labeled as AP treated plasma) Acceptable sample: Immediately separated and frozen EDTA plasma without aprotinin is acceptable, but is not preferred.	1.0 mL EDTA plasma (PL)	4 D
CT445	Cortisol	0.5 mL Serum (S)	()
CS16300	Estrone sulfate ② Collect sample at least 100 days after mating. This test is done externally.	1.0 mL Serum (S)	8 D
CT499	Free T4	0.3 mL Serum (S)	()
BV7033	Metabolic Syndrome profile - Equine (EMS) After centrifugation. transfer the serum to a glass or plastic tube. The ACTH assay is only run on EDTA plasma. Collect in EDTA tube. centrifuge within 4 hours of collection. transfer plasma EDTA into plastic tube then freeze. Clearly identify the tubes: "serum" and EDTA plasma". It is recommended to freeze samples. Do not use tubes with additives (i.e., separator gels). Includes: ACTH. insulin baseline. glucose, leptin and T4. This test is done externally.	1.0 mL EDTA whole blood (L) + 1.0 mL Serum (S)	4 D
CS16635	PMSG (Pregnant Mare's Serum Gonadotropin) Refrigerate or freeze. Collect sample between 38 and 120 days post-breeding.	1.0 mL Serum (S)	(P)
CL140	Progesterone Centrifuge and separate quickly. Do not use SST tube.	0.5 mL Serum (S)	()
CL545	Oral sugar test (insulin - 2 samples) ROUTINE INSTRUCTIONS: Overnight fast (1 flake of hay left in stall overnight and no am feed). Administer 0.15 ml/kg Karo light corn syrup orally (approximately 75 mL). Obtain 60 and 90 minutes after administration. immediately separate serum from red blood cells. Identify the tubes correctly (e.g., post 60 min and post 90 min).	1.0 mL Serum (S)	7 D
CS16635	PMSG (Pregnant Mare's Serum Gonadotropin) Refrigerate or freeze. Collect sample between 38 and 120 days postbreeding.	1.0 mL Serum (S)	()
CL140	Progesterone Centrifuge and separate quickly. Do not use SST tube.	0.5 mL Serum (S)	①
CL545	Oral sugar test (insulin - 2 samples) ROUTINE INSTRUCTIONS: Overnight fast (1 flake of hay left in stall overnight and no am feed). Administer 0.15 ml/kg Karo light corn syrup orally (approximately 75 mL). Obtain 60 and 90 minutes after administration. immediately separate serum from red blood cells. Identify the tubes correctly (e.g., post 60 min and post 90 min).	1.0 mL Serum (S)	7 D

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CL550	Oral sugar test (insulin - 3 samples) ROUTINE INSTRUCTIONS: Obtain AM baseline after overnight fas sample (1 flake of hay left in stall overnight and no am feed). Admi 0.15 ml/kg Karo light syrup via syringe PO (approximately 75 ml). (and 90 minutes after administration, immediately separate serum blood cells. Identify the tubes correctly (e.g., pre, post 60 min and min).	nister Obtain 60 I from red	7 D
CT480	Total T3	0.3 mL Serum (S)	7 D
CT495	Total T4	0.3 mL Serum (S)	①
CS16760	Testosterone (baseline) Keep cool.	0.3 mL Serum (S)	8 D
BV7081	Testosterone stimulation hCG 🖆 (2 samples) 1.5 mL of serum for each sample. Refrigerated or frozen lice Pack.	2 samples of 1.5 mL en. Ship on Serum (S)	8 D
HEMATOLOGY	(EQUINE)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
СТ332	CBC (Complete Blood count) Differential, erythrocytes, fibrinogen, hematocrit, hemoglobin, er indices. WBC, morphology, platelets.	1.0 mL EDTA whole sythrocyte blood (L)	()
BV1121	CBC without fibrinogen Differential. erythrocytes. hematocrit. hemoglobin. erythrocyte in WBC. morphology. platelets.	1.0 mL EDTA whole ndices. blood (L)	()
CT365	Fibrinogen	1.0 mL EDTA whole blood (L)	(*)
CT375	Hematocrit	1.0 mL EDTA whole blood (L)	()
CT430	WBC (Count)	1.0 mL EDTA whole blood (L)	()
HISTOPATHOL	OGY / CYTOLOGY (EQUINE)		
Code	TEST NAME - DESCRIPTION SAMP	LE TAT	Price
CFLUA	Cytology (body fluids) Submit the sample in an EDTA tube. Keep refrigerated and submit as soon as possible. Also submit air-dried fluid smears prepared immediately after collection. If the sample appears to be slightly cellular, centrifuge a portion of the sample and smear from the sediment. Mention the method used. Use the cytology and	•	\$134 .

histopathology request form and provide as much

relevant detail as possible.

CODE	TEST NAME - DESCRIPTION		
	TEST NAME - DESCRIPTION	SAMPLE	TAT
ссүто	Cytology (mass/tissue) (1 to 2 sites) Il tis recommended to submit 2 to 4 slides per mass. Properly identify the slides with the sample site. patient name and owner. If you need help for technique for sampling and spreading slides, contact us. Use the cytology and histopathology request form and provide as much relevant detail as possible.		•
ССҮТЗ	Additional site		
CFBX	Histopathology (1 to 4 tissues) Place the sample in 10% formalin. The formalin volume should be at least 10 times that of the tissue. Use containers with a wide mouth. Hollow organs (e.g., intestines) should be open lengthwise before being placed in formalin to ensure good fixation of the mucosa. For all excisional biopsies, margins will be assessed. Use the cytology and histopathology request form and provide as much relevant detail as possible.		3-5 D
CFBX5	Additional tissue (histopathology)		
СМ070	Aerobic culture Refrigerate; sterile container or swab with transport medium (not dry swab). Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture.	500 μl urine or 10 μl liquid. tissue. swab. other	1-2 D (urine) 2-5 D (Other)
BV1154	CATB (Aerobic culture + sensitivities) * Refrigerate; sterile container or swab with transport medium (not dry swab). Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture. * Kirby-Bauer method	250 μl urine or 10 μl liquid. tissue. swab. other	1-2 D (urine) 2-5 D (Other)
BV0240	Follow-up Aerobic culture + Sensitivity Follow -up culture on same source may be ordered within 2 months of original submission of an Aerobic Culture. Indicate order number and date of the original submission on the requisition form.		
СМОЗО	Anaerobic culture Container as small as possible for the sample so that there is as little air as possible in the container. or a swab with a solid transport medium. DO NOT refrigerate; It is preferable that the sample be sent to the lab the same day. Anaerobic organisms are sensitive to cold, should be stored at room temperature and not in the fridge. Refer to Appendix 1. if you are hesitating between aerobic or anaerobic culture.	500 µl urine or 10 µl liquid. tissue. swab. other	
CEXT	Antimicrobial susceptibility * Culture must have been done previously. Refer to See Appendix A: Antibiotic profiles (Equine Sensitivity) * Kirby-Bauer method	Isolate	2 D
3V0239	Autoclave - Quality Assurance Program Must use EZTest - Steam. Easy-to-use. EZTest is a self-contained biological indicator for monitoring sterilization. EZTest - Steam contains Geobacillus stearothermophilus which will only be destroyed by adequate sterilization. These biological indicators comply with ISO 11138 and EN 866 standards and USP requirements.		3 D

ODE	TEST NAME - DESCRIPTION	SAMPLE		TAT
:MO61	Blood Culture + Antibiotic sensitivity Must use One-bottle. Blood culture system. follow the incubation protocol and DO NOT REFRIGERATE. This test detects the growth of aerobic, anaerobic and micro-aerophilic organisms from blood or CSF samples using the blood/CSF culture system. * Preliminary results can come out as quickly as the day after reception, but for a negative result it is necessary to wait 7 days. A preliminary report will be sent as soon as possible			1-7 D*
	One-bottle. Blood culture system			
CM225	Campylobacter jejuni/coli/lari (culture) Also available in profile, see Fecal culture	1 g Feces		5-10 D
3V0232	Clostridium perfringens (culture) Also available in profile, see Fecal culture			
3V1143	Fecal culture + ATB aerobic culture. Campylobacter jejuni/coli/lari. Clostridium perfringens Salmonella spp. and Shigella.	10 g Feces		3-10 D
CM121	Salmonella spp. (culture) Refrigerate. sterile container. Also available in profile, see Fecal culture and see also Serotyping (PCR section).	Tissue. 10 g feces. other		4 D
PARASITOLOG	Y (EQUINE)			
CODE	TEST NAME - DESCRIPTION	SAMPLE		TAT
CT785	Baermann	30 g Feces		5-7 D
BV7092	Cutaneous scraping (KOH) ① Crusts, hair; no quantity to specify. This test is done externally.			3-4 D
BV7016	Parasite identification ₫ ■ Fresh parasite or preserved in 70% ethanol. This test is done externally.			1-2 D
3V0006	Wisconsin	10 g Feces		1-3 D
PCR (EQUINE)				
CODE	TEST NAME - DESCRIPTION	SAMPLE		TAT
BV1144	Dermatophytes (Ringworm) qPCR ■ Samples of hair and/or hair dander (min 10) or culture media with hair. Take the hair and dander from border of lesions in an empty sterile container. In the absence of visible lesions, brush the coat with a toothbrush. The main zoophilic species detected are: Microsporum canis, Trichophyton spp (benhamiae. bullosum, equinum, erinacei, mentagrophytes, quinckeanum, simii, verrucosum) and Nannizzia gypsea (formerly known as Microsporum gypseum). These three species or species complexes are now highlighted using a new real-time PCR (qPCR) multiplex.			1-2 D'
BV1207	Digestive (Diarrhea) profile qPCR 5-10 g feces or Rectal swab in a tightly sealed container. Refrigerate and send on ice. Includes: Clostridium difficile (A & B toxins), Clostridium perfringens (A toxin), Coronavirus, Cryptosporidium spp., Lawsonia intracellularis, Neorickettsia risticii (Potomac Horse Fever), Rotavirus A,	;	3	2-3 D*

PCR (EQUINE)			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CS14394	Herpes virus Type 1 (EHV-1) qPCR		1-2 D*
BV0038	Herpes virus Type 4 (EHV-4) qPCR Nasal swab. transtracheal lavage fluid. guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Available in profile, see Viral Rhinopneumonia and Respiratory profile qPCR		1-2 D*
СТ974	Leptospira spp. qPCR (EDTA whole blood)	2.0 mL EDTA whole blood (L)	2-3 D*
СТ976	Leptospira spp. qPCR (urine)	10 mL Urine or tissue.	2-3 D*
CS14479	Neorickettsia risticii qPCR (Potomac Horse Fever) or Rectal swab in a tightly sealed container. Refrigerate and send on ice. Available in profile, see Digestive (Diarrhea) profile qPCR	5-10 g fece I	1-2 D [†]
CL955	Reproductive profile PCR Endometrial swab, cervical swab, semen, placenta, or uterine lavage fluid. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Includes: EVA. EHV-1, Streptococcus equi spp, zooepidemicus, Leptosporosis leptospira interrogans, Trypanosoma equiperdum, Klebsiella pneumonica, E. Coli.		1-2 D*
BV1236	Respiratory profile qPCR Nasal swab, transtracheal lavage fluid, guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Includes: EHV-1, EHV-4. Equine Influenza, Rhodococcus equi, Equine Rhinitis Virus A & B, Streptococcus equi spp, equi, Streptococcus equi spp zooepidemicus.		1-2 D*
CS14396	Rhodococcus equi qPCR Nasal swab, transtracheal lavage fluid, guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Available in profile, see Respiratory profile qPCR		1-2 D*
CS14416	Ringworm, see Dermatophytes Salmonella spp. 5-10 g feces or Rectal swab in a tightly sealed container. Refrigerate and send on ice. Available in profile, see Digestive (Diarrhea) profile qPCR		1-2 D ⁺
CS86308	Streptococcus equi spp equi qPCR Nasal swab. transtracheal lavage fluid, guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Available in profile, see Respiratory profile qPCR		1-2 D*
BV0109	Streptococcus equi spp zooepidemicus qPCR Nasal swab, transtracheal lavage fluid, guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Available in profile, see Respiratory profile qPCR		1-2 D†

CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
BV1156	Tick borne diseases qPCR (blood) ■ One or more ticks placed in an airtight container without additives. Detection of Anaplasma phagocytophilum, Babesia spp, and Ehrlichia spp.* * Borrelia spp: available ONLY on tick.	1.0 mL EDTA whole blood (L)	3-4 D*
BV1231	Tick borne diseases qPCR (tick) ■ One or more ticks placed in an airtight container without additives. Detection of Borrelia spp., Anaplasma phagocytophilum, Babesia spp, and Ehrlichia spp.	Ticks	3-4 D*
BV1260 *	Viral Rhinopneumonia (equine - EHV1 + EHV4) qPCR Nasal swab, transtracheal lavage fluid, guttural pouch lavage, bronchoalveolar lavage fluid, or respiratory tract tissue. Sample should be sent in a tightly sealed container. Swabs should be submitted without transport media in dry tubes. Refrigerate and send on ice. Includes: Herpes virus Type 1 (EHV-1) and Type 4 (EHV-4). Also included in Respiratory profile		1-2 D
SEROLOGY (EQUI	NE)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT

SEROLOGY (EC	QUINE)		
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CL121	Equine infectious Anemia (EIA) ab ELISA (Coggins) with electronic certificate GVL, see Appendix 3: Procedure for submitting Equine Infectious Anemia (EIA)	2.0 mL Serum (S)	1-2 D†
	Equine Protozoal Myeloencephalitis, see EPM		
BV7027	EPM Ab S. neurona Western Blot This test is done externally.	1.0 mL Serum (S)	2 D
BV7025	EPM IFAT Sarcofluor ① This test is done externally.	1.0 mL Serum (S)	7 D
BV7032	EPM IFAT Sarcofluor + Neofluor This test is done externally.	1.0 mL Serum (S)	10 D
CL090	IgG (Foal)	0.3 mL Serum (S)	①
BV7088	Leptospirose (6 serovars) Ac MAT ① This test is done externally.	1.0 mL Serum (S)	7 D
BV7088	Nile virus - Ab - IgG - IgM ELISA This test is done externally.	1.0 mL Serum (S	5 D

[†]These tests are performed from Monday to Friday.

UROLOGY (EQUINE)			
CODE	TEST NAME - DESCRIPTION	SAMPLE	TAT
CT760	Urinalysis	5.0 mL Urine	1 D
BV1013	Urinalysis with pathologist's comment	5.0 mL Urine	1 D

Contact us to learn more about our different programs or to check the availability of tests not listed in this guide.

OTHER SERVI	CES AND FEES (EQUINE)	
CODE	TEST NAME - DESCRIPTION	
BVFR03	Cancellation fees	
BVFR08	Emergency fees (RUSH)	
BVFR06	Intermediate fees	
CREVW	Pathologist's comments	
	Cooler upon request	

Prices are subject to change without notice.

Reagents and Supplies For Analyzers

Terms and Conditions

Shipping charges of \$ 30.00 are applicable for orders of material under \$500.00. The order form is available on the site. Send your order to: order@biovet-inc.com.

Chemistry

Element DC / DCX / DC5X

- Dry slide technology
- · Excellent reproducibility
- · 25 individual tests and 6 panels available
- · Acurate results in just minutes





INDIVIDUAL TESTS FOR ELEMENT DC/ DCX/ DC5X		
BIOVET#	PRODUCT NAME	PACK
TRD-624	Acide urique	24
TRD-560	Albumin	24
TRD-561	Alkaline Phosphatase	24
TRD-562	ALT (GPT)	24
TRD-625	Amylase	24
TRD-564	AST (GOT)	24
TRD-620	Total Bilirubin	24
TRD-568	Calcium	24
TRD-621	Total Cholesterol	24
TRD-569	СК	24
TRD-571	Creatinine	24
TRD-588	GGT	24
TRD-589	Glucose	24
TRD-596	LDH	24
TRD-597	Lipase	24
TRD-601	Magnesium	24
TRD-603	Phosphorus	24
TRD-622	Total Protein	24
TRD-623	Triglycerides	24
TRD-567	BUN	24

Chemistry

PANELS FOR ELEMENT DC/DCX/DC5X		
BIOVET#	PRODUCT NAME	PACK
TRD-600	Liver Panel (ALB, ALP, ALT, GGT, GLU, TBIL)	4
TRD-595	Kidney Panel (ALB, BUN, CA, CREA, PHOS, TP)	4
TRD-570	Comprehensive Panel EWRAP - (ALP, BUN, CREA, GLU, TP, TBIL, ALB, PHOS, CA, CHOL, GGT)	6
TRD-587	Equine Panel (ALB, AST, BUN, CA, CK, CREA, GGT, GLU, LDH, PHOS, TBIL, TP)	2
TRD-606	Plus Panel EWRAP - (LIP, AMY, MG, TRIG, AST, LYTES)	6
TRD-607	Pre-Surgical Panel/EWRAP (ALP, ALT, BUN, CREA, GLU, TP)	12
TRD-577	Electrolytes (Na, K, Cl) with reference Fluid 1 Bottle	24

SUPPLIES	FOR ELEMENT DC / DCX / DC5X	
BIOVET#	PRODUCT NAME	PACK
LBI-287	Plain wood applicator	1000
TRD-566	Auto Tips, DRI-CHEM 7000 Analyzer	96
TRD-610	Slide Cartridge, DRI-CHEM Analyzer	2
TRD-556	Centrifuge, DRI-CHEM Analyzer	1
TRD-633	Auto Mixing Cups	50
TRD-565	Auto Mixing Cups for DCX & DC5X	50
TRD-574	DRI-CHEM® Optics Cleaning Swabs (10/bag)	10
TRD-576	Electrolyte Reference Fluid, DRI-CHEM Analyzer, (8mL)	1
TRD-575	Electrolyte Reference Fluid, DRI-CHEM Analyzer, (8mL)	6
TRD-602	Paper, DRI-CHEM Analyzer	3
TRD-611	Slide Weight, DRI-CHEM Analyzer	2
TRD-608	Sample Racks (0.5 mL and 1.5 mL)	2
TRD-594	HESKA Chemistry System Control	1
TRD-619	Tip Rack, DRI-CHEM 7000 Analyzer	1
TRD-598	Lithium Heparin Tubes (Green), DRI-CHEM Analyzer (0.5mL)	100
TRD-599	Lithium Heparin Tubes (Green, DRI-CHEM Analyzer (1.5mL)	100
TRD-605	Plain Tubes (Red), DRI-CHEM Analyzer (0.5mL)	100
TRD-604	Plain Tubes (Red, DRI-CHEM Analyzer (1.5mL)	100
TRD-688	DRI-CHEM O-Ring - Pack 2	2

Hematology

Vet ABC Plus+

- Provides a 4-part WBC differential
- Requires as little as 10 μ L of blood
- · Results in 60 seconds
- · Higher impedance technology



BIOVET#	PRODUCT NAME		
VET ABC P	VET ABC PLUS+		
TRD-631	Hematology Control for Vet ABC+ (1 tube)		
TRD-559	ABC+ Hematology Device		

Element HT5

Combination laser flow cytometry. impedance and colorimetric technology ensures the most accurate results.

- Provides a 4-part WBC differential
- Requires as little as 10 µL of blood
- · Results in 60 seconds



BIOVET#	PRODUCT NAME	PACK
ELEMENT	IT5	
TRD-579	Element HT5 Veterinary Hematology Control - NORMAL	2 Vials, 3.0 mL
TRD-580	Element HT5 Veterinary Hematology Control – TRI-LEVEL	12 vials
TRD-581	Element HT5 DiffLyse Solution	300 mL
TRD-582	Element HT5 Diluent Solution	2 x 5.5L
TRD-583	Element HT5 LH Lyse Solution	90 mL
TRD-584	Element HT5 Probe Cleaner	1

Hematology

Element COAG+

- Acurate results in 15 minutes
- Small sample size (100 µL or less)



BIOVET#	PRODUCT NAME	PAC
ELEMENT (OAG+	
TRD-698	Mix PTT/aPTT (Canine & Feline)	12
TRD-699	Cleaning strips	20
TRD-700	PT Liquid control Level (4 x 4 ml)	4
TRD-701	Control PT Re-Calcification	12

Element COAG

- Acurate results in 15 minutes
- Large 7-inches color touchscreen offers easy navigation
- Small sample size (100 µL or less)



BIOVET#	PRODUCT NAME	PAC
ELEMENT C	OAG	
TRD-682	Mix PTT/aPTT (Canine & Feline)	12
TRD-683	Equine Fibrinogen Cartridge	12
TRD-684	Canine Fibrinogen Cartridge	6
TRD-685	Canine Blood Typing Cartridge	6
TRD-686	Feline Blood Typing Cartridge	6

Endocrinology

Element i +

- · Makes T4, TSH, and cortisol, Bile Acids and progesterone
- · Technology on the cutting edge
- · Results in 10 minutes



BIOVET#	PRODUCT NAME	PAC							
ELEMENTT	ELEMENTTI+								
TRD-541	Element i+ Tips	96							
TRD-542	Cortisol	12							
TRD-542	CRP								
TRD-705	Nu.Q® (Cancer)	12							
TRD-706	Nu.Q [®] Pipette 50 μL	1							
TRD-543	T4	12							
TRD-689	тѕн	12							
TRD-538	Progesterone	12							
TRD-706	T4 Pipettes 100 μl	3							

Element i

- Makes T4. TSH. and cortisol. bile acids and progesterone
- · Technology on the cutting edge
- Results in 10 minutes



BIOVET#	PRODUCT NAME	PAC
ELEMENTT	ri -	
TRD-648	Bile acids	10
TRD-635	Cortisol	10
TRD-637	T4	10
TRD-636	TSH	10

Electrolytes and Blood Gases

Element POC

- Critical chemistry. metabolic parameters. electrolytes. hematocrit and blood gas
- · Results in just 35 seconds
- As little as 100 µL of blood



BIOVET#	PRODUCT NAME	PAC
ELEMENTT	l de la companya de	
TRD-586	Element POC Test cards	10
TRD-585	Element POC Test cards	25

Others

Eurolyser Solo/Cube

- 3 easy steps use
- Requires only 20 µL sample
- · Acurate results in a few minutes



BIOVET N°	PRODUCT NAME	PAC
EUROLYSEI	SOLO/CUBE	
TRD-612	cCRP	16
TRD-613	Fibrinogen	16
TRD-638	Fructosamin	6
TRD-614	Fructosamin	16
TRD-679	Lactate	6
TRD-647	Pancreas specific Lipase test kit	6
TRD-615	Pancreas specific Lipase test kit	16
TRD-641	Phenobarbital	6
TRD-680	Progesterone	6
TRD-616	SAA	6
TRD-690	SAA Control	6
TRD-590	SDMA	6
TRD-591	SDMA	16
TRD-639	T4 test kit	6
TRD-617	T4 test kit	16

Element AIM

- Artificial intelligence automated fecal and urine
- Allows standardization of operations
- Accurate results in minutes



BIOVET N°	PRODUCT NAME					
ELEMENT AIM						
TRD-692	Urine/Fecal Cartridge	30				
TRD-696	Fecal Prep kit	30				

Appendix 1 – Aerobic Or Anaerobic Culture: How To Choose?

We regularly receive questions about what type of culture to choose (aerobic or anaerobic?) and the samples to be submitted. The appropriate selection of samples and the type of culture is crucial for the culture to obtain a significant reuslt.

Anaerobic germs, by definition, come from oxygen-poor, moisture-rich sites. To successfully grow these germs in the laboratory, it is important that samples are not exposed to air and retain moisture.

The conditions in which anaerobic germs are likely to be involved must include:

- · Tissue necrosis
- Deep abscesses
- Bite wounds
- Wet pleurisy
- · Aspiration pneumonia
- · Metrits and pyometers
- Oral diseases
- Joint diseases

Appropriate samples for researching anaerobic germs include:

- · Fluids (pleural. peritoneal. joint or cerebrospinal)
- · Deep tissues (muscles, liver, etc.)
- · Intestinal content

On the other hand, samples that are inappropriate for this type of research include, among others:

- Vaginal swabs
- · Airway swabs and aspirations
- · Skin swabs or superficial wounds
- · Urine (unless taken by bladder puncture)



The following rules must apply for the collection and retention of samples for anaerobic germ research:

- Fluids: If they are taken by aspiration with a syringe, the air
 must be removed from the barrel of the syringe beforehand.
 The fluids must be placed in sterile tubes without additives
 and the tubes must be completely filled so as not to leave any
 air. The tubes must be tightly sealed. The syringe may also be
 sent to the laboratory after removing the needle.
- Swab: Swabs must be placed in an appropriate anaerobic transport medium, such as those available at Biovet.
- In all cases, the samples must be stored between 4 °C and 8 °C and reach the laboratory within 48 hours.

Reference

Purvis T. et Burklund A. Do I choose aerobic or anaerobic culture.

www.ksvdl.org/resources/news/diagnostic_insights/january2019/aeorbic-anaerobic-culture.html

Appendix 2 - Cytology

Sampling techniques

There are two main sampling techniques: capillarity and aspiration. The capillarity technique consists of isolating the mass with one hand (left hand if right-handed and vice versa) and then inserting the needle into the mass or organ with the other hand. Make a quick back-and-forth movement 6-7 times without exiting the mass or organ while staying in the same path. Remove the needle from the mass.

By capillarity



The aspiration technique is much the same as the capillarity technique. but a needle mounted on the syringe is used to collect the cytological material. The mass is isolated with one hand. Then use the other hand to insert the needle. previously mounted on the syringe. into the mass or organ. Negative pressure is applied by pulling the piston into the syringe. Several regions of the mass must be sampled. On the other hand, it is important to avoid sucking in material from the tissue surrounding the mass. When the needle is removed, no more negative pressure should be exerted.

By aspiration:

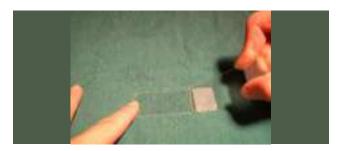


Spreading techniques

There are two main techniques for spreading the collected cytological material: the blood smear and squash prep techniques. The blood smear spreading technique is usually used when the harvested material is fairly liquid. By making sure

there is air in the syringe mounted on the needle containing the collected cytological material, the contents of the needle are expelled on one or two blades. A second blade is held obliquely in relation to the first blade. The blade is retracted onto the cytological material and then quickly expelled to produce a blood smear.

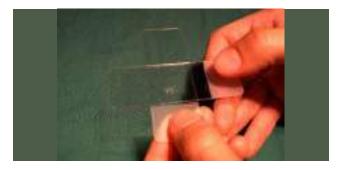
Blood smear

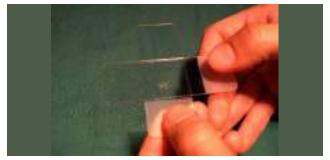




Squash prep

- The contents of the needle are expelled at one end of the slide.
- 2. A second slide is affixed to the sample perpendicular to the first slide. **WARNING**: No pressure should be exerted.
- This second slide is then slid gently and quickly through the first slide.





Infectious agents transmitted by ticks include Anaplasma spp, Babesia spp, Borrelia burgdorferi, and Ehrlichia spp. Diseases caused by these microorganisms can affect several systems in animals. Clinical signs include fever, anorexia, lethargy, lameness, myalgia, lymphadenopathy, weight loss, petechiae, epistaxis, bruising or uveitis.

Laboratory abnormalities may include thrombocytopenia, neutropenia, anemia, morula or inclusion in blood smear, lymphocytosis, hyperglobulinemia or proteinuria (Table 1).

Table 1

DISEASE	CLINICAL SIGN	LABORATORY ABNORMALITIES
Anaplasmosis	Fever. pale mucous membranes. anorexia. cough. respiratory distress	Thrombocytopenia. mild to moderate anaemia. Morula in granulocytes (A. phagocytophilum) or platelets (A.platys); if observed in the blood smear, it is suggestive of an infection but not always present.
Babesiosis	Pale and/or yellow mucous membranes	Thrombocytopenia. anemia (often severe). Inclusions in red blood cells; if observed in the blood smear, it is suggestive of an infection but not always present.
Ehrlichiose	Epistaxis. petechiae. bruises. pale mucous membranes. lameness. fever	Thrombocytopenia. mild to moderate anaemia, neutropenia, lymphocytosis, hyperglobulinemia, Morula in granulocytes (E. ewingii) or monocytes (E. canis, E. chaffeensis); if observed in the blood smear, it is suggestive of an infection but not always present.
Lyme	Lamery. fever. anorexia. joint distension. myalgia. lymphadenopathy	(Poly-)neutrophilic arthropathy. proteinuria, kidney failure

Conditions for the use of diagnostic methods specific to tick-borne diseases:

- · History of a tick attached to the animal
- Thrombocytopenia. neutropenia or anaemia. proteinuria of unknown origin
- Fever. lameness. joint effusion. myalgia. lethargy of unknown origin

Diagnosis should be based on confirmation of exposure to one of the microorganisms by serological testing or confirmation of their presence (by PCR or observation of morula or inclusion in blood smear). the presence of clinical signs suggestive of tickborne diseases. laboratory results suggestive of the disease (see Table 1) and ultimately a response to treatment.

The presence of Anaplasma or Ehrlichia morula or Babesia inclusions may be noted on a blood smear during the subacute or acute phase, but it is not always possible to observe it during this phase. Alternatively, the use of molecular (PCR) or serological tests each has its advantages and disadvantages. On the one hand, molecular tests are generally more sensitive and specific, but the detection window is more limited. On the other hand, following the production of antibodies, serological tests can confirm exposure from the first weeks after infection up to several weeks or even months after exposure, but cannot confirm an active infection (see Table 2). Thus, the use of PCR can complement serology for the diagnosis of tick-borne diseases.

Table 2

AGENT	ADVANTAGE	PCR DISADVANTAGE	PCR SAMPLE	AVANTAGE	SEROLOGY DISADVANTAGE
Anaplasma	Active infection detection	False-negative: if received antibiotics if tested too early or too late following the sighting of a tick on the animal False negatives due		Confirms exposure to false negatives on PCR test	Does not confirm an active infection; often negative at the onset of clinical signs; can remain positive despite effective therapy.
Babesia	Active infection detection	False negatives due to intermittent presence	Sang entier EDTA		False negative so few antibodies produced
Borrelia	Detection in tissues	False-negative: Hard-to-detect organism in peripheral blood Few organisms in the affected tissues If received antibiotics	Synovial liquid	Very sensitive to confirm exposure; some serological tests do not detect post-vaccination antibodies (no cross-reaction). Confirms exposure in case of false negative toPCR	Confirms exposure. but not active infection; becomes positive only 3 to 6 weeks following exposure of a Borrelia-carrying tick; May remain positive several months after treatment.
Ehrlichia	Active infection detection	Faux négatifs: Si a reçu des antibiotiques -si testé trop tôt ou trop tard suite à l'observation d'une tique sur l'animal; -lors d'infection chronique à Ehrlichia canis	Sang entier EDTA confirme une	Confirms exposure in case of false negative to PCR	Does not confirm an active infection; may remain positive for several months after treatment, cannot be used to verify the response to treatment.

PCR profile for tick-borne diseases

At Biovet, we offer three real-time PCR profiles (qPCR) for tickborne diseases:

- Profile on blood: Anaplasma phagocytophilum.
 Babesia spp and Ehrlichia spp
- 2. Profile on tick:
 - a. 2 diseases: Anaplasma phagocytophilum and Borrelia burgdorferi
 - 4 diseases: Anaplasma phagocytophilum. Borrelia burgdorferi, Babesia spp and Ehrlichia spp.

Multiplex PCR tests can detect multiple agents in a single reaction with very high sensitivity and specificity. A positive PCR test testifies to the presence of the genome of the organism tested in the sample analyzed. A negative PCR test means that

there are no detectable organisms in

circulation. either that the animal is not infected (true negative) or that the organism is not present in sufficient quantities to be detectable (e.g., during antibiotic treatment that can decrease the number of organisms). The analytical sensitivity of our multiplex PCR test (qPCR) is excellent with a detection capability of up to 50 genomic copies per reaction. Our test is specific for Anaplasma phagocytophilum and Borrelia burgdorferi. It allows the detection of several species of Babesia, including B.canis, B.microti, B.divergens, B.gibsoni, B.felis and B.odocoilei (the agent of babesiosis of deer). When we obtain a positive result, we can determine the species by sequencing. Finally, the test allows the detection of several species of Ehrlichia including E. canis, E.chaffeensis, E.ewingii and E.muris. As with Babesia, we can also identify the species by sequencing.

The ticks we have tested so far for these pathogens were carriers of Borrelia burgdorferi, Anaplasma phagocytophilum and Babesia spp in 25%. 10% and 20% of cases respectively. For Babesia, all our positive ticks were positive for B. odocoilei.

Serological profile for tick-borne diseases

Our serological profile for tick-borne diseases can detect antibodies against Anaplasma phagocytophilum, Anaplasma platys, Borrelia burgdorferi, Ehrlichia canis and Ehrlichia ewingii.

A positive serological test indicates the presence of antibodies against the organism tested following exposure but does not necessarily confirm the existence of an active infection. Detectable antibodies usually appear 2-4 weeks after exposure (3-6 weeks in the case of Borrelia burgdorferi) and can persist for months or even years, especially for Anaplasma and Ehrlichia. sometimes regardless of effective therapy.

A negative serological test means that there are no detectable antibodies against this organism. which can occur in the absence of infection or very recent infection (before the antibodies are produced in sufficient quantities to be detectable).

PCR and/or serology?

To make a good choice regarding the diagnostic test (PCR vs. serology). It is necessary to know whether the organism tested has a good chance of circulating during the presentation of the patient. In order to obtain a positive PCR test, the organism (or rather the nucleic acid sequence that is targeted for this organism) must be present in the sample. Since PCR tests are very sensitive and can detect small amounts of organisms, if circulating organisms are present in large enough quantities at the time of clinical signs, then it is very likely that the PCR test detects infection. as is the case for Anaplasma phagocytophilum, Babesia gibsoni, Babesia canis and Ehrlichia canis.

Anaplasma phagocytophilum typically causes acute illness in dogs even before seroconversion. Thus, during acute infection the PCR test to detect these agents is more reliable. On the other hand, if the organism is not present in the aliquot tested or if the patient has received an antibiotic (including Doxycycline) that could decrease the number of copies of the circulating organism, then a PCR test could be negative. A subsequent PCR test (if the animal has not received an antibiotic) or a serological test two to four weeks later could help confirm an infection if the initial PCR was negative. For serological tests for Anaplasma phagocytophilum, these may remain positive for several months.

It is important to know that some tick-borne organisms are not always present in sufficient circulating quantities to be detectable by PCR, especially during chronic infection as is sometimes the case with Babesia spp and Ehrlichia canis. In addition, Borrelia burgdorferi does not circulate in sufficient quantities to be detected in peripheral blood. In humans, synovial fluid can be submitted for PCR detection of B. burgdorferi, but the use of this diagnostic tool in veterinary medicine is less documented. Since clinical signs of Lyme disease do not occur for a few months following exposure to an infected tick, serological tests rather than PCR tests are usually used to confirm exposure to Borrelia burgdorferi. It should be noted, however, that a positive serological test in an endemic region for Borrelia burgdorgferi confirms exposure but not necessarily an active infection, as only 5% of seropositive dogs will eventually develop associated clinical signs, which usually do not appear until 2 to 6 months after exposure.

Although the PCR test is sensitive to Babesia detection, it can be negative intermittently during infection. It may then be advantageous to repeat the PCR test to increase sensitivity or to perform a serological test. It should be noted, however, that during chronic Babesiainfection, some dogs may not have enough antibodies produced to be detectable to serology.

Summary of the pros and cons of PCR and serological tests: Serological test (antibody detection):

- If positive: Means exposure but not necessarily the disease; in addition, serological tests can remain positive for a long time, even after effective treatment.
- If negative: Means either no exposure or an antibody level too low for detection (e.g., infection. Thus, a negative antibody test does not necessarily mean that there is no infection.

PCR test (detection of the organism):

- If positive: Means an infection
- If negative: Means either no exposure or too few organisms to be detected. Thus, a negative PCR test does not necessarily mean that there is no infection.

So during a chronic disease (more than 4 weeks), a serological test may be sufficient. If it is an acute infection, a PCR test may be more sensitive than a serological test; a serological test performed 2 to 4 weeks later may also be suggested. In some cases, serological tests used in combination with PCR tests may improve diagnosis.

PCR profile on ticks

PCR profile on ticks

Ticks can also be tested for infectious agents. It is important to know that this does not confirm the disease in the animal. If the tick is positive, it does not necessarily mean that it has infected the animal. Indeed, other factors must be considered including the time of contact of the tick with the animal (in the case of Borrelia, it must remain attached at least 24-48 hours to the animal to transmit the bacteria).

If the test is negative. it means that the risk of disease transmission is very low for this tick. However, this does not rule out any risk of transmission because another tick infected but not observed in the animal (and which has not been tested) could transmit infectious agents.

The PCR tick profile offers theW possibility of testing blood (and ticks found on patients) for multiple agents and to be able to detect co-infections using serology and/or PCR on the animal. Parallel testing of a dog in serology and PCR can substantially increase the detection of an infection with any of the infectious agents, making it easier to diagnose and sometimes even treat. Indeed, the presence of co-infections can sometimes explain the variation in clinical presentation and response to the treatment of tick-borne diseases.

The clinician should always consider the epidemiology (including the prevalence of the disease and the active tick season in the region) and the pathophysiology of each agent to interpret the results. Thus, it is important to know the onset time of clinical signs in relation to the presumed time of infection, to know when and if organisms are circulating in peripheral blood, and whether they are circulating in large enough numbers to be detectable to determine whether serology and/or PCR or an acute or convalescent serological test is more appropriate. It might be prudent to take both serum and whole blood EDTA before antibiotic therapy, which is stored in the freezer (serum) or refrigerator (whole blood). Thus, if only one test is used (PCR or serology) and the test turns out to be negative, then this allows you to request the other test later or even submit another profile later in order to increase the chances of being able to detect the organism or organisms involved.

Recommended samples

PCR

- 1-2 mL of whole blood refrigerated in an EDTA tube
- 1 mL of synovial liquid in an EDTA tube
- a live or dead tick without a fixative (several ticks taken from the same animal can be grouped in the same container)

Serology

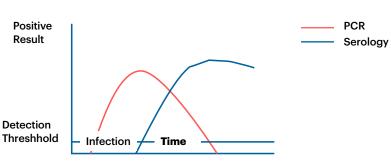
1 mL of serum (refrigerated or frozen)

Appendix 4 – Interpretation Grid For Tick-Transmissible Diseases

MALADIE	PRÉVALENCE	CELLULES CIBLES	SIGNES CLINIQUES	ANOMALIES DE LABORATOIRE	PCR	SEROLOGY3	CAUSES
Anaplasmosis	0.92%1	Morula in granulocytes (A.	Pale mucous membranes.	Thrombocytopenia,	+	+	Active infection
		phagocytophilum	fever. anorexia,	anaemia.		-	Onset of infection
		platelets (A. platys); if observed in the blood smear it is suggestive of an	cough respiratory distress.		-	+	Exposure to Anaplasma phagocytophilum or A. platys. Does not confirm an active infection unless a false NEGATIVE in PCR (e.g. if received antibiotics).
		infection but not always present.				-	Does not confirm anaplasmosis
Babésiose	2.9%2	Inclusion in red	Pale and/or	Thrombocytopenia.	+	+	Active infection
		blood cells; if observed in the blood smear it is suggestive of an infection but not always present.	yellow mucous membranes	anemia (often severe)		-	Onset of infection
					-	+	Exhibition in <i>Babesia</i> . Does not confirm an active infection unless a false NEGATIVE in PCR (e.g. if received antibiotics).
						-	Does not confirm a babesiosis
Ehrlichiose	0.49%1	Morula in granulocytes (E. ewingi) or monocytes (E.canis. E. chaffensis); if observed in the blood smear it is suggestive of an infection but still not present.	Epistaxis. petechiae. bruises. pale mucous membranes lameness. fever.	Thrombocytopénie, anémie légère à modérée, neutropénie, lymphocytose, hyperglobulinémie	+	+	Active infection
						-	Onset of infection
					-	+	Exhibition in Ehrlichia canis or E. ewingii. Does not confirm an active infection unless a false NEGATIVE in PCR (e.g. if received antibiotics).
						-	Does not confirm ehrlichiosis
Lyme	4.67%¹		Case. anorexia fever,- joint distension, lymphadenopat hy myalgia	(Poly-)neutrophilic arthropathy, proteinuria, kidney failure	- *	+	Exhibition in Borrelia burgdorferi. To be interpreted according to the presence of clinical signs or laboratory abnormalities suggestive of this condition after the elimination of other possible causes.
			. 5			-	Does not confirm Lyme Disease. Possibility of false NEGATIVE if tested at onset of infection (3-6 weeks post-exposure to a tick carrying Borrelia).

- 1. Seroprevalence of the disease in Quebec (2020) according to CAPC (https://capcvet.org) June 29. 2020.
- 2. Molecular Prevalence by JVIM. 2019: 33(5): 2075-2081. doi: 10.1111/jvim.15560. Epub 2019 Jul 23. Prevalence of Babesia spp and clinical characteristics of Babesia vulpes infection in North American dogs.
- 3. A negative serological test does not confirm the absence of exposure. as sometimes at the onset of infection (2-4 weeks post-infection) a dog may show clinical signs for Anaplasma or Ehrlichia. but may not have enough antibodies detectable to serology.
- 4. *Since the amount of Borrelia in the blood is very low. a PCR test in the blood is usually negative. It is possible to test PCR on a tick to check if it carries Borrelia or test the synovial liquid.

Kinetics of blood diagnostic tests for tick-borne diseases



Appendix 5 – Antibiotic profiles (Sensitivity - Kirby-Bauer)

	General	Urine	Ears	Eyes	Rodents	Rabbits	Birds	Reptiles
ANTIBIOTICS - COMPANION ANIMAL								
Amikacin								•
Amoxicillin	•	•	•					
Amoxicillin / Clavulanic Acid	•	•	•	•	*	*	•	•
Ampicillin		•						
Azithromycin					•	•	*	
Bacitracin				•				
Cefovecin	•	•						
Cefpodoxime	•							
Ceftazidime								•
Cephalexin	•	•	•					
Cephazolin		•						
Chloramphenicol	•	•		•	•	•	•	•
Ciprofloxacin				•	•	•	•	*
Clindamycin	•							•
Doxycycline	•	•	•	•	•	•	•	•
Enrofloxacin	•	•	•		•	•	•	•
Erythromycin (Gram+ only)			•	•				
Florfenicol			•					
Fusidic acid	•		•				*	
Gentamicin			•		•	•	•	•
Marbofloxacin	•	•	•		•	•	*	
Metronidazol		•			•	•	*	*
Neomycine			•	•				
Nitrofurantoin		•						
Oxacillin (Staph only)	•		•					
Penicillin G (Gram+ only)					•	•		
Polymyxin B (Gram- only)	•		•	•	•	•	•	
Sulphamethoxazole/Trimethoprim	•	•			•	•	•	•
Tetracycline				•				
Ticarcilline (Gram- seulement)			•					
Tobramycin			•	•	*	*	*	*

OTHER ANTIBIOTICS AVAILABLE
Apramycin
Cefoxitin
Ceftiofur
Cephalotin
Cloxacilline
Gamithromycin
Imipenem
Kanamycin
Lincomcyine
Meropenem
Moxifloxacin
Mupirocin
Norfloxacin
Novobiocin
Ofloxacin
Penicillin / Novobiocin
Piperacillin
Pirlimycin
Pradofloxacin
Rifampicin
Spectinomycin
Streptomycin
Sulbactam / Ampicillin
Sulfamethoxazole
Sulphafurazole / Sulfisoxazole
Tildipirosin
Tilmicosin

^{* =} nouveau

Appendix 6 – Minimum Concentration Inhibitory (MCI)

The minimum inhibitory concentration (MIC) is the lowest concentration (ug/mL) of an antibiotic that inhibits bacterial growth. The Sensititre Sensitivity System is an in vitro diagnostic test, based on fluorescence technology, for the analysis of the clinical sensitivity of isolates of non-fastidious bacteria.

The Breakpoint critical concentration method is a broth dilution method for qualitative sensitivity analyses. A critical concentration is by definition the concentration of an antibiotic that inhibits the growth of a sensitive organism. but not a resistant organism. For most antimicrobial agents. 2 concentrations are used: a low concentration (corresponding to the upper limit of the sensitive category) and a high concentration (corresponding to the upper limit of the intermediate category). The MIC reveals

to the clinician the exact concentration of the antibiotic required to inhibit bacterial growth. (A precise calculation can be made by your pharmacist.)

The decision to choose one antibiotic over another must also account for several factors, such as: the site of infection. safety for the animal. ease of use. the state of health of the animal. the possible side effects of the drug. the cost, etc. The MIC value of one antibiotic cannot be compared with that of another antibiotic.

S = Sensitive. normally effective at suggested concentration

- I = Intermediate, may be effective at higher than recommended doses
- R = Resistant. not effective at recommended doses

Antibiotic profiles		All bacteria in the urine URN614F	All bacteria in the ear * OTIEXT1F	All Enterococcus spp. CMV1ENTF	All Staphyloccocus spp.	All other (+) Gram bacteria CMV4CDLF	All (-) Gram bacteria CMV5ADLF
Amikacin	АМІ	•	•	•	•	•	•
Amoxicillin	AMOX	•					
Amoxicillin / Clavulanic acid	AUG2	•	•		•	•	•
Ampicillin	AMP	•			•	•	•
Azithromycin	AZI					•	
Cefazolin	FAZ	•					•
Cefovecin	FOV	•	•		•	•	•
Cefoxitin	FOX						•
Cefpodoxime	POD	•	•		•	•	•
Ceftiofur	XNL	•					•
Cephalothin	CEP	•	•		•	•	•
Chloramphenicol	CHL	•		•	•		
Clindamycin	CLI		•		•	•	
Colistin	COL		•				
Difloxacin	DIF	•					
Doxycycline	DOX	•		•	•		
Enrofloxacin	ENRO	•	•	•	•	•	•
Erythromycin	ERY			•			
Gentamicin	GEN	•	•	•	•		•
Marbofloxacin	MAR	•	•	•	•	•	•
Minocycline	MIN	•					
Mupirocin	MUP				•		
Neomycin	NEO		•				
Nitrofurantoin	NIT	•		•			
Orbifloxacin	ORB	•					
Oxacillin	OXA+				•	•	
Polymixin B	POL		•				
Pradofloxacin	PRA	•					
Streptomycin	STR			•			
Tetracycline	TET		•			•	
Ticarcillin / Clavulanic acid	TIM2		•				
Trimethoprim / Sulfamethoxazole	SXT	•			•	•	•
* Except Enterococcus and Staphylococcus							

Appendix 7 – Protocol for the handling and sending of large masses of animals for veterinary analysis

Here are clear and detailed instructions on how to ensure the safety and efficiency of the process when sending mass that does not fit into standard formalin containers.

Whether you're a veterinarian or a laboratory professional, handling these samples appropriately is essential to prevent health risks

and ensure accurate results.

We invite you to carefully follow the recommendations provided in this appendix for the safe and efficient handling of animal masses. If in doubt, don't hesitate to contact our technical team for further help and advice.

Protocol

- In the smallest possible plastic container, place gauze pads or a "pee pad" and soak them with Epredia™ Formalin 10% (ready-to-use formalin). To do this, use about 100 ml, which is equivalent to a small urine collection jar.
- 2. Place the mass inside the prepared container and carefully wrap it in the gauze pads or the "pee pad".
- 3. Close the lid of the container tightly and place it in a closed plastic bag.

4.



Please note that it is strictly forbidden to send a formaldehyde-filled "Ziploc" style bag, as this constitutes a hazard to handling and transportation. Instead, use an appropriate container and follow the instructions provided to ensure the safety of all involved. Please refer to your preservative's Material Safety Data Sheet for details.

Thank you for your commitment to the safety and quality of veterinary testing.

Appendix A – List of Antibiotics (Sensitivity)

ANTIBIOTICS FOR HORSES			
Gentamicin			
Oxacillin (Staph only)			
Penicillin G (Gram+ only)			
Rifampicin			
Spectinomycin			
Sulphametoxazole/Trimethoprim			
Tetracycline			

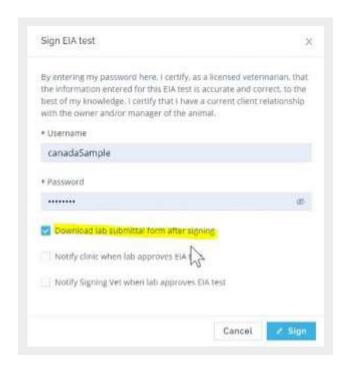
OTHER ANITBIOTICS AVAILABLE	
Amoxicillin	Metronidazole
Amoxicillin / clavulanic acid	Moxifloxacin
Azithromycin	Mupirocin
Bacitracin	Neomycin
Cefalotin	Nitrofurantoin
Cefovecin	Norfloxacin
Cefoxitin	Novobiocin
Cefpodoxime	Ofloxacin
Ceftazidime	Penicillin / Novobiocin
Cephalexin	Piperacillin
Cephazolin	Pirlimycin
Ciprofloxacin	Polymyxin B
Clindamycin	Pradofloxacin
Doxycycline	Streptomycin
Enrofloxacin	Sulbactam / Ampicillin
Florfenicol	Sulfamethoxazole
Fusidic acid	Sulphafurazole / Sulfisoxazole
Gamithromycin	Ticarcillin (Gram- only)
Imipenem	Tildipirosin
Kanamycin	Tilmicosin
Lincomycin	Tobramycin
Marbofloxacin	Tulatromycin
Meropenem	

Appendix B – Procedure For Submitting Equine Infectious Anemia (EIA)

Biovet would like to remind you of the procedure for submitting Equine Infectious Anemia (EIA) tests via the EquusLINK platform:

- · Be sure to identify the tubes
- · Even though you have the form via the platform, it is important to attach a paper copy to your shipment.

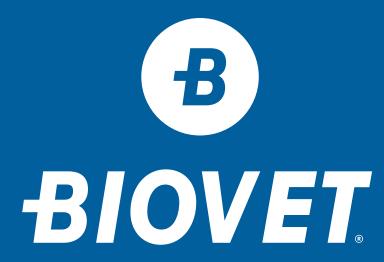
Note that when you sign the application, the form automatically downloads to the screen, so you can print it. Alternatively, in the More menu (at the top right of your screen), you can download the form to print it.





To learn more, watch the EquusLINK video on www.biovet.ca/video-equuslink.

For further information, call 515-817-5703 or visit www.globalvetlink.com.



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