2022

USER'S GUIDE

Research centers

Biovet®

www.biovet.ca

1-888-8BIOVET

(824-6838)

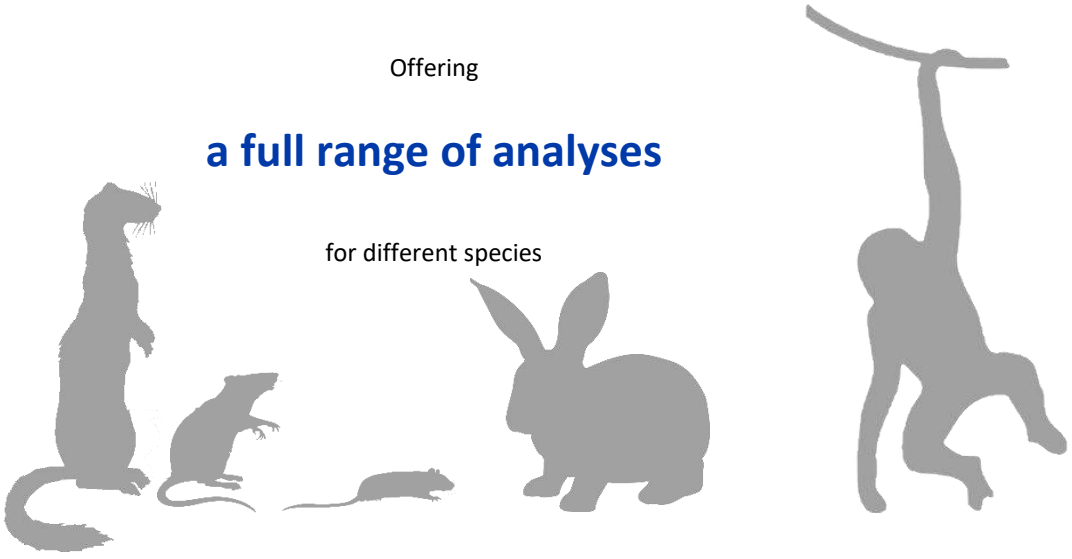
Biovet is proud to launchs

NEW DIVISON RESEARCH CENTERS

Offering

a full range of analyses

for different species



Custom analysis profiles tailored to your needs

For further information, contact us

1-888-8BIOVET

(824-6838)

sac@biovet-inc.com

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MKT-040-EN-V.2 — Revised 2022-02-18

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:

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

sac@biovet-inc.com

450 771-4158

437, Beaudry, Saint-Hyacinthe QC J2S 8W2

OPENING HOURS

Monday to Friday	**8:00 AM to 21:00 PM**
Saturday	**8:30 AM to 14:00 PM**
Sunday	CLOSED

ABOUT BIOVET

In October 2019, Antech Diagnostics, part of Mars Petcare, acquired Biovet. Joining with Antech is a natural blend of two like-minded organizations with a shared commitment to delivering innovation and quality to veterinarians, allowing them to deliver excellent, compassionate care to pets.

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. Biovet 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, contact us at bionet@biovet-inc.com or call us at 1-800-465-9766. You can also visit us online at www.biovet.ca/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 Guide 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

LEGEND

SAMPLES

L	Whole blood EDTA (lavender top)
G	Heparinized Plasma (green top tube + transferred to another plastic or glass tube)
R	Serum (red top tube + transferred to another plastic or glass tube)
	Variety of samples that will be detailed in the test description.
	Note: for an adequate anticoagulant:blood ratio, the tube should be filled at least up to the label.

TURNAROUND TIME

	Result on the day of receipt
h	Hour
D	Day
W	Week
Mon	Monday - Tue Tuesday - Wed Wednesday - Thu Thursday - Fri Friday - Sat Saturday - Sun Sunday
	For analyzes done externally, it is best to contact us prior to submitting the sample to ensure availability of the test. Transportation costs are included.

ABBREVIATIONS

PCR	Polymerase Chain Reaction

GUIDE FOR TUBES AND OTHER SAMPLING MATERIAL

Shipping bags for samples

Description: Ziploc Shipping bags for samples, with pocket for request form

Usage: IMPORTANT, USE ONLY ONE BAG OF SAMPLES PER REQUEST FORM

BIOHAZARD bags

Description: bag for the transport of the samples

Usage: PRIMATES samples must be placed in a BIOHAZARD bag.

Comment: Place the BIOHAZARD bag in a standard sample bag and write that it is a primate sample.

Blue citrated Tube (1.3 ml)

Description: plastic sampling tube with blue twist cap containing sodium citrate, supplied with plastic transfer tube.

Usage: for tests requiring citrated plasma or citrated whole blood. See special procedure for Coagulation (PT, PTT, platelets) in the Hematology section.

Lavander Tube (10 ml or 3 ml)

Description: collection tube with lavender cap containing EDTA.

Usage: for tests requiring EDTA plasma or EDTA whole blood - full hematology and some biochemistry tests. 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 jar).

Red top Tube (10 ml or 3 ml)

Description: anticoagulant-free or additive-free sampling tube.

Usage: for tests requiring serum.

Green Tube (3 ml)

Description: sampling tube with green cap containing heparin.

Usage: for tests requiring heparinated plasma or whole heparinated blood.

SST Tube (10 ml or 3 ml)

Description: SST sampling tube (Tube with Serum Separator) containing a gel separating red blood cells from the serum after centrifugation

Usage: for tests requiring serum.

Sterile container (100 ml)

Description: plastic Sterile container

Usage: for urine tests, parasitologies of small exotic animals or animals, urine culturesfor urine tests, parasitologies of small exotic animals or animals, urine cultures, feces or biopsies, feces tests by PCR.

Comment: Store urine and stool samples between 4°C and 8°C for culture and PCR testing.

GUIDE FOR TUBES AND OTHER SAMPLING MATERIAL

Container pre-filled with formaldehyde for specimens for histopathology

(40 ml, 60 ml, 90 ml or 120 ml)

Description: The amount of formaldehyde in the specimen container is about half the volume of the container

Usage: for histopathological analyses

Comment: The volume of formaldehyde should be 10 times that of the tissue.

Swab with transport medium

Description: Swab and tube with Amies transport medium with or without charcoal

Usage: for aerobic or anaerobic culture

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.

Sterile swab without transport medium

Description: Sterile swab without a transport medium for PCR tests (e.g. ocular swab, pharyngeal or conjunctival)

Usage: for PCR testing

Comment: Keep the swab between 2 and 8°C.

TESTS OFFERED

OUR PROFILES AND THEIR COMPONENTS

Sample • Turnaround Time

Ⓡ Ⓖ • 🕐

PROFILES	Min. Vol. *	BIOCHEMISTRY																							
		Albumin	ALP	ALT	Amylase	AST	Total bilirubine	Calcium	Chloride	Cholesterol	Créatinine	Creatine Kinase (CK)	Gap	GGT	Globulins	Glucose	DGGR Lipase	Phosphorus	Potassium	Total Proteins	A/G Ratio	Na/K Ratio	Sodium	TCO_2	BUN
ALT-AST-ALP-TBIL	130 µL		●			●	●				●														
BUN-Creat-ALT-AST	150 µL			●		●					●														●
HEPATIC	140 µL	●	●	●		●	●																		
PM 6	150 µL		●	●							●					●				●					●
PM 12	210 µL	●	●	●			●	●		●	●				●	●		●		●					●
CHEMISTRY	250 µL	●	●	●		●	●	●	●	●	●		●	●	●	●		●	●	●	●	●	●	●	●
PANCREATIC	350 µL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

CHEMISTRY

Sample • Volume * • Turnaround Time

Albumin
Avoid hemolysis. Ⓡ Ⓖ • 5 µL • 🕐

ALP
Refrigerate or freeze. Ⓡ Ⓖ • 8 µL • 🕐

ALT
Avoid hemolysis. Ⓡ Ⓖ • 26 µL • 🕐

Amylase
Avoid hemolysis. Ⓡ • 13 µL • 🕐

AST
Avoid hemolysis. Ⓡ Ⓖ • 26 µL • 🕐

Total Bilirubin
Ⓡ Ⓖ • 10 µL • 🕐

Bilirubin (dir., Indir.)
Ⓡ Ⓖ • 8 µL • 🕐

BUN
Avoid hemolysis. Ⓡ Ⓖ • 3 µL • 🕐

Cholesterol
Ⓡ Ⓖ • 16 µL • 🕐

CO_2 see **TCO_2**

Creatine Kinase (CK)
Ⓡ Ⓖ • 16 µL • 🕐

Creatinine
Ⓡ Ⓖ • 20 µL • 🕐

CHEMISTRY

Sample • Volume * • Turnaround Time

GGT
Avoid hemolysis. Ⓡ Ⓖ • 16 µL • 🕐

Glucose
Ⓡ Ⓖ • 15 µL • 🕐
Avoid hemolysis, quickly separate the serum from the red blood cells.

HDL
This test is done externally. Ⓡ Ⓖ • 500 µL • 7 J

DGGR Lipase
Avoid hemolysis. Ⓡ Ⓖ • 10 µL • 24 h

Magnesium
Avoid hemolysis. Ⓡ Ⓖ • 3 µL • 🕐

Na-K-Ca-Cl-TCO_2
Ⓡ Ⓖ • 40 µL • 🕐

Phosphorus
Avoid hemolysis. Ⓡ Ⓖ • 5 µL • 🕐

Total Proteins
Avoid hemolysis and lipemia. Ⓡ Ⓖ • 6 µL • 🕐

Triglycerides
Fast 12-18 h. Ⓡ Ⓖ • 3 µL • 🕐

* Minimum volume required: 60 µL + indicated volume (E.g. 8 + 60 = 68 µl)

TESTS OFFERED

HEMATOLOGY

Sample • Volume * • Turnaround Time

CBC (Complete Blood count)

L • 100 µL •

Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), differential, microscopic examination, reticulocyte count (if anemia).
Also available without diff.

Hematocrit

Keep cool. L • 100 µL •

Leucocytes

Keep cool. L • 100 µL •

Platelet

Keep cool. L • 100 µL •

Réticulocyte

Keep cool. L • 100 µL •

PARASITOLOGY / CYTOLOGY

Sample • Volume • Turnaround Time

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.

Cytology (mass/tissue) (1 to 4 sites)

It is recommended to submit 3 to 5 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.

Parasitologie

Keep cool. feces • 2 g • 3 J
This test is done externally.

UROLOGY

Sample • Volume • Turnaround Time

Complete urinalysis

Kee
p cool. Urine • 300 µL •

Urinary strips

Kee
p cool. Urine • 300 µL •

UROLOGY

Sample • Volume • Turnaround Time

Urine protein:creatinine ratio

Keep cool. Urine • 250 µL •

PCR / SEROLOGY

Check with your Sales Representative for the availability of serological and PCR tests.

OTHER SERVICES, FEES AND DISCOUNTS OFFERED

STAT fees (RUSH)

Cancellation fees

Intermediate fees

BIOLOGICAL TESTING SERVICES

STERILITY TESTING (FOOD, REAGENT, WATER AS A REAGENT …)

Custom Sterility Profile

LEVEL 1

Aerobic culture Enrichment + Membrane Filter Concentration

Aerobic culture + Yeasts and Moulds Enrichment + Membrane Filter Concentration

Aerobic and Anaerobic culture Enrichment + Membrane Filter Concentration

Aerobic and Anaerobic culture + Yeasts and Moulds Enrichment + Membrane Filter Concentration

LEVEL 2

Aerobic culture Inoculation after enrichment

Aerobic culture + Yeasts and Moulds Inoculation after enrichment

Aerobic and Anaerobic culture Inoculation after enrichment

Aerobic and Anaerobic culture + Yeasts and Moulds Inoculation after enrichment

LEVEL 3

Aerobic culture Direct Inoculation

Aerobic culture + Yeasts and Moulds Direct Inoculation

Aerobic and Anaerobic culture Direct Inoculation

Aerobic and Anaerobic culture + Yeasts and Moulds — Direct Inoculation

BIOBURDEN (FECES, WOUND, LITTER…)

Custom Bioburden Profile

Aerobic culture and Aerobic colony counts

Anaerobic culture and Aerobic colony counts

IDENTIFICATION OF ISOLATES

Identification of a bacterial isolate by Maldi-tof

Bacterial identification by sequencing

IDENTIFICATION OF ISOLATES

Yeasts / Molds Identification by sequencing

Protozoan identification by sequencing

ENVIRONMENTAL MONITORING

Sample

Aerobic colony counts swab

Aerobic colony counts with identification swab

Yeasts and Moulds swab

Yeasts and Moulds with identification swab

Ampoule for checking the autoclave efficiency

Environmental air control Agar

Including Aerobic colony counts, Yeasts and Moulds

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