BIOVET

A DIVISION OF ANTECH

2025

DIRECTORY

RESEARCH CENTERS

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
Email: sac@biovet-inc.com
Fax: 450 771-4158
Address: 4375, av. Beaudry, Saint-Hyacinthe QC J2S 8W2 (Head office) | 945, av. Newton, Local 126-127, Québec QC G1P 4M3

Opening Hours

	Saint-Hyacinthe	Quebec City
Lundi au vendredi :	8:00 AM to 9:00 PM	12:30 PM to 21:00 PM
Samedi :	8:30 AM to 2:00 PM	CLOSED
Dimanche :	CLOSED	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: 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

MKT-040-FR-V.5 — Révisé le 2025-02-25

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Antech
Smarter Diagnostics. Better Care.™

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.

LEGEND

	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.
D	Working days
✸	NEW
	Analyzes done externally: it is best to contact us prior to submitting the sample to ensure availability of the test. Transport fee are included
PCR	Polymerase Chain Reaction

SAMPLING MATERIAL

Order at www.biovet.ca/online

CODE		PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-328		**10**	**Shipping bags for samples** Description: Ziploc™ Shipping bags for samples, with pocket for request form Procedure: IMPORTANT, USE ONLY ONE BAG OF SAMPLES PER REQUEST FORM **You need shipping bags? Ask our delivery man.**
LBA-475		**1**	**Biohazard bags - Salf-T-zip rouge (primates)** 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.
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 EDT. **– (L) EDTA Whole blood EDTA** 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.
			
TRD-300		**100**	**Red top tube** (3 mL)
TRD-310		**100**	**Red top tube** (8 mL) Description: anticoagulant-free or additive-free sampling tube. **– (S) 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.

SAMPLING MATERIAL

Order at www.biovet.ca/online

CODE		PQT	DESCRIPTION – TYPE D'ÉCHANTILLON
TRD-308		**100**	**SST Tube** (3.5 mL)
TRD-759		**100**	**SST Tube** (8.5 mL) 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.
TRD-351		**100**	**Green tube** (1.3 mL) Description: sampling tube with green cap containing heparin. **– (PG) Heparinized plasma** Procedure: Whole blood collected in a heparinized tube, stirred at least 10-20 times immediately after collection. Centrifuge and place plasma in glass or plastic tube, labelled "Heparinized Plasma"). **– (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.

TESTS OFFERED

— Contact us for customized analysis profiles adapted to your needs.

OUR PROFILES AND THEIR COMPONENTS			[min. 50 µL + indicated volume] *																									
	Turnaround Time	Min. Vol.* (Serum or heparinized plasma)	CBC WITHOUT retic	Albumin	ALP	ALT	Amylase	AST	Total bilirubin	Calcium	Chloride	Cholesterol	Creatinine	Creatine Kinase (CK)	Gap	GGT	Globulins	Glucose	DGGR Lipase	Phosphorus	Potassium	Total proteins	A/G Ratio	Na/K Ratio	Sodium	TCO2	BUN
BV1184		**ALT-AST-ALP-TBIL**	130 µL		•			•	•				•														
BV1240		**BUN-Creat-ALT-AST**	135 µL			•		•					•														•
BV1192		**HEPATIC**	140 µL	•	•	•		•	•																		
BV1045	✱	**HEPATIC +**	140 µL	•																							
BV1026		**PM 6**	155 µL		•	•					•		•					•			•	•		•	•		•
BV1028	✱	**PM 6 +**	155 µL	•	•	•					•		•					•			•	•		•	•		•
BV1027		**PM 12**	240 µL		•	•	•		•	•		•	•				•	•		•		•					•
BV1029	✱	**PM 12 +**	240 µL	•	•	•	•		•	•		•	•				•	•		•		•					•
BV1001		**CHEMISTRY**	285 µL		•	•	•		•	•	•	•	•	•		•	•	•	•		•	•	•	•	•	•	•	•
BV1237		**PANCREATIC**	315 µL		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BV1238	✱	**PANCREATIC +**	315 µL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BV1004	✱	**RENAL**	130 µL		•					•	•		•		•		•	•		•	•	•	•		•	•	•
BV1032	✱	**RENAL +**	130 µL	•	•					•	•		•		•		•	•		•	•	•	•		•	•	•

* e.g. 130 + 50 = 180 µl

\+ : Profiles + include a CBC WITHOUT reticulocyte: : add 100 µL EDTA whole blood **(L)** or heparinized blood **(G)**

CHEMISTRY – CUSTOM PROFILS †			[min. recommended 50 µL + indicated volume] *	
Code		**TEST NAME - DESCRIPTION**	**SAMPLE ***	**TAT**
BV1270	✱	**CP CHEM 3**	75 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1271	✱	**CP CHEM 4**	100 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1272	✱	**CP CHEM 5**	125 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1273	✱	**CP CHEM 6**	150 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1274	✱	**CP CHEM 7**	175 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1275	✱	**CP CHEM 8**	190 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1276	✱	**CP CHEM 9**	215 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1277	✱	**CP CHEM 10**	230µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1278	✱	**CP CHEM 11**	245 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
BV1279	✱	**CP CHEM 12**	260 µL serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡

† Select the number of parameters from the list below.

‡ These tests are performed Monday to Friday.

* (e.g. 125 + 50 = 175 µl)

CHEMISTRY		[min. recommended 50 µL + indicated volume] *	
Code	**TEST NAME - DESCRIPTION**	**SAMPLE ***	**TAT**
CT010	**Albumin**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT020	**ALP**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT030	**ALT**	10 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT040	**Amylase**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT060	**AST**	10 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT225	**Bile Acids** (Baseline)	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT080	**Bilirubins (dir., indir.)**	10 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT090	**Bilirubin, Total**	15 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡

CHEMISTRY		[min. recommended 50 µL + indicated volume] *	
Code	**TEST NAME - DESCRIPTION**	**SAMPLE ***	**TAT**
CT100	**BUN**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT110	**Calcium** Avoid lipemia.	8 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT120	**Chloride**	20 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT125	**Cholesterol**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
	CO2, see **TCO2**		
CT130	**Creatine Kinase** (CK)	8 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT135	**Creatinine**	13 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT145	**GGT**	9 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT150	**Glucose**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT165	**Lipase, DGGR**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT170	**Magnesium**	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT180	**Phosphorus**	8 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT185	**Potassium**	20 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT195	**Sodium**	20 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT115	**TCO2** (Bicarbonates)	8 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT190	**Total Proteins**	10 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT205	**Triglycerides** Fast 12-18 h.	7 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
	‡ These tests are performed Monday to Friday.	* (e.g. 8 + 50 = 58 µl)	

CYTOLOGY, see PARASITOLOGY / CYTOLOGY

ENDOCRINOLOGY		[min. recommended 50 µL + indicated volume] *	
Code	**TEST NAME - DESCRIPTION**	**SAMPLE ***	**TAT**
CT445	**Cortisol**	11 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
CT495	**Total T4**	8 µL Serum **(S)** or heparinized plasma **(PG)**	1-2 D ‡
	‡ These tests are performed Monday to Friday.	* (e.g. 8 + 50 = 58 µl)	

HEMATOLOGY		[min. recommended 50 µL + indicated volume] *	
Code	**TEST NAME - DESCRIPTION**	**SAMPLE**	**TAT**
BV1201	**CBC** (Complete Blood count) **WITH reticulocyte** Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), microscopic examination, differential, with reticulocyte count.	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
BV1202	**CBC WITHOUT reticulocyte** Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), microscopic examination, differential, WITHOUT reticulocyte count.	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
BV1051	**CBC WITHOUT diff.** Includes leukocyte, platelet and erythrocyte counts (Gr, Hb, Ht, CGMH, VGM), microscopic examination, WITHOUT differential and reticulocyte count.	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
CT375	**Hematocrit**	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
CT430	**Leucocytes**	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
CT400	**Platelet**	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
CT425	**Reticulocyte**	100 µL Whole blood EDTA **(L)** or heparinized blood **(G)**	1-2 D ‡
	‡ These tests are performed Monday to Friday.	* (e.g. 8 + 50 = 58 µl)	

MICROBIOLOGY

Code	TEST NAME - DESCRIPTION	SAMPLE	TAT
CEXT	**Antimicrobial susceptibility*** Culture must have been done previously. See Appendix 2: List of antibiotics (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)		
CM020	**CMIC (Culture and MIC)** Refrigerate; sterile container or swab with transport medium (not dry swab). To learn more on MIC, see Appendix 3.	250 µl urine or 10 µl liquid, tissue, swab, other	2-3 D
CM070	**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. Refer to Appendix 1, if you are hesitating between aerobic or anaerobic culture.	250 µl urine or 10 µl liquid, tissue, swab, other	Urine: 1-2 D Other: 2-5 D
CM030	**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.	10 µl urine, liquid, tissue, swab, other	3-5 D
BV1143	**Fecal culture + ATB** Includes aerobic culture, Campylobacter jejuni/coli/lari, Clostridium perfringens, Salmonella spp. and Shigella spp. When isolating salmonella or shigella, an Antibiotic Sensitivity will be automatically performed.	1 g Feces	3-10 D
BV1251	**Sterility profile** Includes Aerobic Colony Count (NCA) Mésophiles and Yeast and Molds enumeration.		10 D

PARASITOLOGY / CYTOLOGY

Code	TEST NAME - DESCRIPTION	SAMPLE	TAT
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.		1-2 D ‡
CCYTO	**Cytology (mass/tissue)** (1 to 3 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.		1-2 D ‡
CT820	**Giardia ELISA** Keep cool.	1 g feces	1-2 D ‡
	Ova & Parasites, see **Parasitology**		
CT805	**Parasitology** This test is done externally.	5 g feces	5 D

‡ These tests are performed Monday to Friday.

SEROLOGY

Code		TEST NAME - DESCRIPTION	SAMPLE	TAT
BV7199	✱	**Mouse Serology Panel – Core** Includes Mouse Hepatitis Virus, Mouse Minute Virus, MPV (1-5) Mouse Parvovirus, Murine Norovirus, Rotavirus and Epizootic Diarrhea of Infant Mice, Theiler's Mouse Encephalomyelitis Virus, Lymphocytic Choriomeningitis Virus.	SeraSorb *	3-4 D
BV7200	✱	**Mouse Serology Panel – Routine** Includes **Mouse Serology Panel – Core** as well as Mouse Adenovirus-1 (MAV-FL), Mouse Adenovirus-2 (MAV-K87), Pneumonia Virus of Mice, Sendai Virus.	SeraSorb *	3-4 D

SEROLOGY

BV7201	✸	**Mouse Serology Panel – Complete** Includes **Mouse Serology Panel – Routine** as well as Cilia Associated Respiratory Bacillus, Clostridium piliforme, Ectromelia Virus, Murine Cytomegalovirus, Mycoplasma pulmonis, Polyomavirus, Respiratory Enteric Virus III.	SeraSorb *	3-4 D
BV7202	✸	**Mouse Serology Panel – Complete Plus** Includes **Mouse Serology Panel – Complete** as well as Encephalitozoon cuniculi, Hantaan Virus, KV K Virus (Mouse Pneumonitis Virus), Lactate Dehydrogenase Elevating Virus, Mouse Thymic Virus.	SeraSorb *	3-4 D
BV7204	✸	**Rat Serology Panel – Core** Includes Kilham's Rat Virus, Pneumocystis carinii, Rat Coronavirus, Rat Minute Virus, Rat Parvovirus and Toolan's H-1**.**	SeraSorb *	3-4 D
BV7205	✸	**Rat Serology Panel – Routine** Includes **Rat Serology Panel – Core** as well as Cilia Associated Respiratory Bacillus, Lumphocyctic Choriomeningitis Virus, Mouse Adenovirus - 1 (FL) and Mycoplasma pulmonis**.**	SeraSorb *	3-4 D
BV7206	✸	**Rat Serology Panel – Complete** Includes **Rat Serology Panel – Routine** as well as Pneumonia Virus of Mice, Respiratory Enteric Virus III and Sendai Virus.	SeraSorb *	3-4 D
BV7207	✸	**Rat Serology Panel – Complete Plus** Includes **Rat Serology Panel – Complete** as well as Clostridium pilforme, Encephalitozoon cuniculi, Hantaan Virus and Rat Rotavirus.	SeraSorb *	3-4 D

* See Appendix 4 - SeraSorb™ Microsampler (instructions)

UROLOGY

Code	TEST NAME - DESCRIPTION	SAMPLE *	TAT
CT760	**Complete urinalysis** Keep cool.	1,0 mL Fresh urine	1-2 D ‡
CT775	**Urine protein:creatinine ratio** Keep cool.	20µL Fresh urine	1-2 Dj ‡

‡ These tests are performed Monday to Friday.

— Contact us to check the availability of tests not listed in this guide.

We offer

a specialized consulting service to help our customers design their research projects. Whether it's choosing the right tests for your needs, or developing biochemistry, hematology or microbiology protocols, our team is there to guide you and help you optimize your analyses. Fees apply..

OTHER SERVICES AND FEES

Code	NOM DU TEST - DESCRIPTION
BVFR03	**Cancellation fees**
BVFR08	**Emergency fees (RUSH)**
BVFR06	**Intermediate fees**

Prices are subject to change without notice.

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 – Antibiotic profiles (sensitivity - Kirby-Bauer)

Antibiotics – Companion Animals	General	Urine	Ears	Eyes	Rodents	Rabbits	Birds	Reptiles
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			●	●	✸	✸	✸	✸

✸ = nouveau

Other antibiotics available

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

APPENDIX 3 – Minimum Concentration Inhibitory (MIC)

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

		All bacteria in the urine URN614F	**All bacteria in the ear *** OTIEXT1F	**All Enterococcus spp.** CMV1ENTF	**All Staphyloccocus spp.** STAF614F	**All other (+) Gram bacteria** CMV4CDLF	**All (-) Gram bacteria** CMV5ADLF
Amikacin	AMI	●	●	●	●	●	●
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 4 –SeraSorb™ Microsampler (instruction)

The SeraSorb™ technology utilizes the Neoteryx VAMS™ Blood Sampling Technology, an inert, porous and hydrophilic collection system that collects discreet volumes of sample in a quantifiable manner. The performance of the Neoteryx VAMS™ Blood Sampling Technology was qualified and compared to the use of serum as the traditional serological sample.

Preparation

1. Label each SeraSorb™ individually. **Identify 2 tubes per animal.**

Blood Collection

1. Use the blood collection method currently approved by your veterinarian and IACUC protocol.
2. Wick away the blood with the tip of the SeraSorb™ until all the white material is saturated.
3. Use **two** SeraSorbs™ **for each animal** (one for testing and one for confirmation testing).
4. Place the SeraSorbs™ back into the clamshell packaging. Allow to dry at ambient temperature for 1 hr.

Storage

1. If sending samples out the same day, keep samples at ambient temperature.
2. Samples can be stored refrigerated (5°±3°C) for up to six months prior to shipping.

Shipping Samples

1. SeraSorb™ samples can be shipped in the clamshell packaging provided or individually bagged if an uneven amount occurs.
2. Place the clamshell packaging into a sealed bag along with desiccant pack.
3. Samples can be shipped at ambient temperature using your favorite commercial car.

SeraSorb™ Microsampler (TRD-362) can be ordered on Biovet.ca/en/boutique.

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