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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. 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 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

LEGEND

Samp	Samples			
B	Citrated plasma (blue top tube)			
B (P)	Citrated plasma (blue top tube + transferred to another plastic tube)			
•	Whole blood EDTA (lavender top tube)			
L	Plasma EDTA (lavender top tube + transferred to another plastic or glass tube)			
(P)	Plasma EDTA (lavender top tube + transferred to another plastic tube)			
(G)	Plasma EDTA (lavender top tube + transferred to another plastic or glass tube)			
G	Heparinized whole blood (green top tube)			
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.			
\triangle	When this symbol appears, see Appendix A - Guidelines for storing and shipping samples to the laboratory			
	Note: for an adequate anticoagulant:blood ratio, the tube should be filled at least up to the label.			

Turn	Turnaround Time		
P	Result on the day of receipt		
h	Hour		
D	Day		
W	Week		
<u> </u>	For analyzes done externally, it is best to contact us prior to submitting the sample to ensure availability of the test.		

Abbre	Abbreviations		
Ag	Antigen		
Ab	Antibody		
ELISA	Enzyme-linked immunosorbent assay		
НІ	Haemagglutination inhibition		
IFA	Immunofluorescent Assay		
MFIA	Multiplexed Fluorometric Immunoassay		
*	New		
PCR	Polymerase Chain Reaction		
qPCR	Quantitative 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



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 (8 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 (8.5 ml or 3.5 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.



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.

GUIDE FOR TUBES AND OTHER SAMPLING MATERIAL



Swab with transport medium

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

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.



Sampling Kit for collection of oral fluids

Description: Sampling Kit for collection of oral fluids.

Usage: for the detection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) type 1 and 2, Porcine Epidemic Diarrhea Virus (PEDV), Swine

Influenza Virus (SIV) and Porcine Circovirus type 2 (PCV2)

Comment: Information available on our Website:

www.biovet.ca/en/product/5759. To order: order@biovet-inc.com



Bio-Tubes®

Description: Blood sample test kit of 100 Bio-Tubes ® with screw cap.

Usage: for Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) type

1 and 2

Comment: Information available on our Website: www.biovet.ca/produit/bio-

tubes. To order: order@biovet-inc.com

ACTINOBACILLUS PLEUROPNEUMONIAE

Sample • Volume • Turnaround Time

APP - Serotypes 1-9-11 - Ab ELISA (GREMIP)

R • 0.5 mL • 2-5 D This test is done externally.

APP - Serotype 2 - Ab ELISA (GREMIP)

This test is done externally. **(R)** • 0.5 mL • 2-5 D

APP - Serotype 2. 3. 7 - Ab ELISA

R • 0.5 mL • 2-5 D (GREMIP) This test is done externally.

APP - Serotypes 3-6-8-15 - Ab ELISA

(GREMIP) (R) • 0.5 ml • 2-5 D This test is done externally.

APP - Serotypes 4-7 - Ab ELISA (GREMIP)

R • 0.5 mL • 2-5 D This test is done externally.

APP - Serotype 5 - Ab ELISA (GREMIP)

(R) • 0.5 mL • 2-5 D This test is done externally.

APP - Serotype 10 - Ab ELISA (GREMIP)

(R) • 0.5 mL • 2-5 D This test is done externally.

APP - Serotype 12 - Ab ELISA (GREMIP)

(R) • 0.5 mL • 2-5 D This test is done externally.

Multi APP Ab ELISA (GREMIP)

● 0.5 mL • 2-5 D This test is done externally.

E. COLI

Sample • Volume • Turnaround Time

E. coli F4, F5, F6, STa, STb, LT (neonatal) **qPCR**

🗏 feces, intestinal contents. Pool of 5 max. This test is for the neonatal period and a culture will be done previously.

E. coli F4, F18, STa, STb, LT, STx2e (post-weaning) qPCR

🗏 feces, intestinal contents. Pool of 5 max. This test is for the post-weaning period and a culture will be done previously.

Other profiles with E. coli available, see qPCR PROFILES section

GLAESSERELLA (HAEMOPHILUS) PARASUIS

Sample • Volume • Turnaround Time

Glaesserella (Haemophilus) parasuis - Ab - ELISA

(R) • 0.5 mL • 2-3 D

GLAESSERELLA (HAEMOPHILUS) PARASUIS

Sample • Volume • Turnaround Time

Glaesserella (Haemophilus) parasuis qPCR

tissue, swab • 1-2 D

Also available in profile, see qPCR PROFILES section

HISTOPATHOLOGY

Sample • Volume • Turnaround Time

Histopathology (1 tissue)

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.

Also available additional tissue

Immunohistochemistry 🕮 🍁



This test is done externally.

tissues • 1 W

INFLUENZA

Sample • Volume • Turnaround Time

Influenza H3N2 Ab - ELISA

(R) • 0.5 mL • 2-3 D

Influenza H1 Ab - blocking ELISA

(R) • 1.0 mL • 2-3 D

Influenza H1 and H3N2 Ab - ELISA

(R) • 1.0 mL • 2-3 D

Influenza type A Ab - ELISA

(R) • 1.0 mL • 2-3 D

Influenza Type A qPCR

lung, nasal swab, oral fluids.

Also available in profile, see **qPCR PROFILES** section

Influenza typage H1, H3, N1, N2 qPCR

After positive Influenza Type A qPCR test.

1-2 D

Influenza HA Sequencing-Genotyping 🕕 🎄

After positive PCR.

• 10 D

This test is done externally.

Porcine Parainfluenza Virus-1 (PPIV-1) qPCR

nasal swab, lung, trachea, oral fluids

LAWSONIA

Sample • Volume • Turnaround Time

Lawsonia intracellularis Ab - ELISA

(V) (R) • 1.0 mL • 2-3 D

LAWSONIA

Sample • Volume • Turnaround Time

Lawsonia intracellularis - qPCR

Feces, intestines. Also available in profile, see qPCR **PROFILES** section

MICROBIOLOGY

Sample • Volume • Turnaround Time

Aerobic culture (routine)

■ • 500 ul • 2-5 D Tissue, swab, urine, liquid, other Refrigerate, sterile container or swab with solid transport medium. Refer to Appendix B, if you are hesitating between aerobic or anaerobic culture.

Anaerobic culture

■ • 500 ul • 2-5 D Tissue, swab, urine, liquid, other sterile container as small as possible for the sample so that there is as little air as possible in the container, or swab with 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 B, if you are hesitating between aerobic or anaerobic culture.

Antibiotic sensitivity

Isolate • 2 D

Culture must have been done previously. See Appendix C: List of antibiotics (swine)

Clostridium perfringens (culture)

intestinal contents • 10 g • 2-3 D

Clostridium perfringens (toxin profile)

Isolate • 2-3 D

Clostridium perfringens culture must have been done previously.

Salmonella spp. (culture)

tissues, feces, Also available: Isolation if positive PCR

MYCOPLASMAS

Sample • Volume • Turnaround Time

Note: The M. hyopneumoniae Ac ELISA kit (Dako/Oxoid) has been discontinued by the manufacturer. Instead, you may choose one of the following three tests.

M. hyopneumoniae MFIA

R • 0.5 mL • 2 D

PRRSV Type 1 & 2, M. hyopneumoniae MFIA

(R) • 0.5 mL • 2 D

MYCOPLASMAS

Sample • Volume • Turnaround Time

M. hyopneumoniae Ab ELISA (Idexx)

R • 0.5 mL • 1-2 D

M. hyopneumoniae Ab ELISA - Titration

R • 1.0 mL • 2-3 D

M. hyopneumoniae qPCR

■ • 2-3 D

🗏 nasal or tracheal swabs, lung, oral fluids. Also available in profile, see **qPCR PROFILES** section

M. hyopneumoniae et M. hyorhinis qPCR

⚠ ■ • 2-3 D

anasal or tracheal swabs, lung, oral fluids. Also available in profile, see qPCR PROFILES section

M. hyosynoviae qPCR

■ joint swab, oral fluids.

PARASITOLOGY

Sample • Volume • Turnaround Time

Skin scraping / KOH (ectoparasites) 💷 🎄

Crusts This test is done externally. ■ • 7-10 D

Parasitology 💷 🍁

This test is done externally.

Feces • 30 g • 2-5 D

PCV2 - PCV3

Sample • Volume • Turnaround Time

PCV2 Ac IgG ELISA

● 0.5 mL • 2-3 D

PCV2 (2a/2b/2d) & PCV3 qPCR

serum, tissues. Refrigerate

PEDV and PoDCV see TGEV-PRCV- PEDV- PoDCV

PRRSV

Sample • Volume • Turnaround Time

PRRSV Ab ELISA X 3

(R) • 0.5 mL • 1-2 D

PRRSV Ab ELISA X 3

oral fluids • 0.5 mL • 1-2 D

PRRSV 1 & 2 Ab MFIA †

(R) • 0.5 mL • 2 D

PRRSV Type 1 & 2, M. hyopneumoniae MFIA †

(B) • 0.5 mL • 2 D

When this symbol appears, see Appendix A - Guidelines for storing and shipping samples to the laboratory

PRRSV

Sample • Volume • Turnaround Time

PRRSV Type 1 & 2 qPCR †

lung, serum, oral fluids, processing fluids.

PRRSV MLV-ATP-Fostera gPCR

lung, serum, oral fluids



PRRSV - Sequencing - Genotyping (Basic, regular or shared)

⚠ • 14 D*

qPCR PROFILES

Sample • Volume • Turnaround Time

Diarrhea in finisher pigs Profile qPCR



Inclut Salmonella spp, Lawsonia intracellularis, Brachyspira hyodysenteriae and Brachyspira hampsonii.

* Except for salmonella spp.: results available 3 to 5 days after receipt.

E. coli F4, F18, Lawsonia, Salmonella qPCR

intestinal contents, fecal samples



M. hyosynoviae, M. hyorhinis, G. parasuis qPCR



PRRSV Type 1 & 2, Influenza A,

M. hyopneumoniae qPCR

lung, oral fluids

Rotavirus A & C, E. coli F4, F5, F6 qPCR

intestinal contents, fecal samples



Tuis-cides" and swine erysipelas (PCR)



vary depending on conditions:

- Septicemia (S. suis, A. suis, E. rhusiopathiae): filter organs such as the liver, kidney, spleen;
- E. rhusiopathiae (swine erysipelas): can also be skin biopsies;
- Pneumonia (A. suis): the spleen;
- Meningitis (S. suis, G. suis): meningeal swabs;
- Polyserositis (S. suis, G. suis): serous swabs and fluids from serous cavities.

ROTAVIRUS

Sample • Volume • Turnaround Time

Rotavirus A-C qPCR

Also available in profile, see qPCR PROFILES section

Rotavirus A-B-C qPCR

SALMONELLA

Sample • Volume • Turnaround Time

Salmonella – Ab ELISA

R • 1 mL • 1-3 D

Salmonella spp. qPCR

tissues, feces

Also available in profile, see **qPCR PROFILES** section

Salmonella spp. + S. Typhimurium gPCR

■ tissues, feces

Salmonella serotyping (100 serotypes)

Isolate • 5-10 D

Salmonella spp. culture must have been done previously.

SENECA VALLEY VIRUS (SVA)

Sample • Volume • Turnaround Time

Seneca Valley Virus (SVA) bELISA



Seneca Valley Virus (SVA) qPCR

■ Oral fluids, wipes

SEROLOGY MULTIPLEX

Sample • Volume • Turnaround Time

PRRSV Type 1 & 2 Ab MFIA †

(R) • 0.5 mL • 2 D

PRRSV Type 1 & 2, M. hyopneumoniae MFIA †



PRRSV - PCV2 - SIV MFIA

® • 1,0 mL • 1-2 j

PRRSV - PCV2 - SIV MFIA and

M. hyopneumoniae ELISA

R • 1,0 mL • 1-2 j

 † Type 1 (EU) and Type 2 (NA)

SEROTYPING & GENOTYPING

Volume • Turnaround Time

APP Serotyping (18 serotypes) 💷 🎄



Culture must have been done previously. Isolate • 5-10 D These tests are done externally.

When this symbol appears, see Appendix A - Guidelines for storing and shipping samples to the laboratory

^{*} Result in up to 14 days.

[†] Type 1 (EU) and Type 2 (NA)

SEROTYPING & GENOTYPING

Volume • Turnaround Time

APP Genotyping 💷 🎄

Culture must have been done previously. Isolate • 2-3 D These tests are done externally.

G. parasuis Serotyping (15 serotypes) 🗂 🎄

Culture must have been done previously. Isolate • 5-10 D These tests are done externally.

G. parasuis Genotyping 🕕 🍁

Culture must have been done previously. Isolate • 1-2 W These tests are done externally.

S. suis Serotyping (35 serotypes) 💷 🎄

Culture must have been done previously. Isolate • 5-10 D These tests are done externally.

TGEV-PRCV- PEDV- PoDCV

Sample • Volume • Turnaround Time

PEDV - Ab ELISA

R • 0.5 mL • 1-2 D

TGEV - PRCV Ab ELISA

(R) • 1.0 mL • 1-2 D

TGEV - PEDV - PoDCV gPCR

Feces, intestinal contents, swiffers, oral fluids

TGEV -PRCV PCR

nasal swab, lung

■ • 2-3 D

MISCELLANEOUS VIRUSES

Sample • Volume • Turnaround Time

Parvovirus Ab- HI

These tests are done externally.

R • 1,0 mL •1 W

Porcine Sapelovirus (PSV) qPCR

fecal samples, nervous tissues.

OTHER BACTERIA

Sample • Volume • Turnaround Time

Brachyspira spp (culture) 🕩 🎄

feces, intestinal contents (Tightly closed container), tissue. Refrigerate. This test is done externally.

OTHER BACTERIA

Sample • Volume • Turnaround Time

Brachyspira hyodysenteriae and

B. hampsonii qPCR

fèces • 3 D

Brachyspira hyodysenteriae and

B. pilosicoli qPCR

feces, intestinal contents (Tightly closed container), tissue.

Clostridium multiplex qPCR: C. chauvoei,

C. septicum, C. novyi and C. sordelii

■ • 1-2 D

pieces of affected tissues (minimum 5 cm x 5 cm x 5 cm, wrapped in absorbent paper towels and placed in a tightly closed container). Swab cultures of affected tissues (swabs without transport medium or with 0.5 mL sterile saline to preserve moisture). Refrigerate.

Erysipelothrix rhusiopathiae MFIA ac 🗐 🥞

R • 1,0 mL • 2-3 i

These tests are done externally.

Ervsipelothrix rhusiopathiae qPCR

■ • 1-2 i

liver, kidney, spleen, skin biopsy

Leptospira (6 serovars) Ab – MAT 💷 🎄

These tests are done externally.

(R) • 1.0 mL • 5-10 D

Leptospira spp. qPCR

kidney, urine • 2.0 mL • 1-2 D

Pasteurella multocida toxA qPCR

🗏 nasal swab. Refrigerate

■ • 1-2 D

Serratia spp qPCR

■ • 10 mL • 1-2 D

fresh or extended semen, environmental samples

OTHER SERVICES, FEES AND DISCOUNTS

Pooling fees

Emergency fees (RUSH)

Cancellation fees

Intermediate fees

Cooler upon request

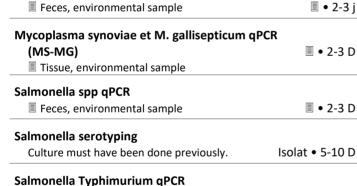
Shipping fees NOT included: • Quebec, • elsewhere in Canada, Substitution United States

When this symbol appears, see Appendix A - Guidelines for storing and shipping samples to the laboratory

POULTRY



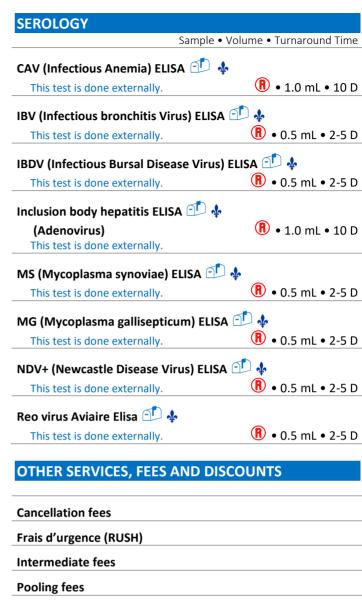
MICROBIOLOGY Sample • Volume • Turnaround Time Aerobic culture ■ • 2-5 D ■ Tissue, swab, liquid, environmental sample Refrigerate, sterile container or swab with transport medium (not dry swab). Salmonella spp. (culture) 🗏 tissu, écouvillon, fèces, etc ■ • 4-7 D Salmonella spp. (hatchery) ■ • 4-7 D Fluff, sponge, swab, shoe-cover Use CFIA mandatory form available on our Website (Hatchery Sampling Report) **PARASITOLOGY** Sample • Volume • Turnaround Time Parasitology (Wisconsin) This test is done externally. Feces • 5 g • 2-5 D **PCR** Sample • Volume • Turnaround Time Avian Astovirus (CAstV) gPCR



Feces, environmental sample



■ • 4-7 D







APPENDIX A - GUIDELINES FOR STORING AND SHIPPING SAMPLES TO THE LABORATORY

The way samples are stored between collection and arrival at the laboratory is very important both to facilitate their processing and to ensure the validity of the analyses.

Below you will find guidelines for some of the most common samples that are submitted to the laboratory for bacteriological or PCR testing.

Do not hesitate to contact us for more information.

Feces for bacteriological or PCR testing

- Samples must be placed in tightly sealed containers (jars or flasks with screw caps available at the laboratory if required).
- "Containers" such as plastic bags, examination gloves, Vacutainer tubes or others must never be used.
- If the samples were obtained using swabs, it is recommended that they be placed in a solid (agar) or liquid transport medium (e.g. solid or liquid Amies medium).
- However, for samples intended for PCR testing, it is important that the transport medium be liquid (no agar transport media!)
- Samples must be stored between 2 and 8 ° C.
- They must arrive at the laboratory within 72 hours after collection.

Oral fluids for PCR testing

- Samples must be placed in tightly sealed containers (jars or flasks with screw caps available at the laboratory if required).
- "Containers" such as plastic bags, examination gloves, Vacutainer tubes or must never be used.
- Samples must be refrigerated as quickly as possible and stored at 2-8 ° C.
- They must arrive at the laboratory as soon as possible (ideally within 72 hours after collection).
- If this is not possible, it is recommended to freeze them.

Processing fluids for PCR testing

- Fluids must be first separated from testicles and tails.
- Samples must be placed in tightly sealed containers (jars or flasks with screw caps available at the laboratory if required).
- "Containers" such as plastic bags, examination gloves, Vacutainer tubes or others must never be
- Samples must be refrigerated as quickly as possible and stored at 2-8 ° C.
- They must arrive at the laboratory as soon as possible (ideally within 72 hours after collection).

Wipes for PCR testing

- The wipes must be soaked with 10 mL of saline before taking the samples
- They must be placed in tightly sealed containers.
- Ideally, it is recommended to use Ziploc plastic bags; if possible, two bags per sample.
- "Containers" such as plastic bags, examination gloves or others must NEVER be used.
- Samples must be refrigerated as quickly as possible and stored at 2-8 ° C.
- They must arrive at the laboratory as soon as possible (ideally within 72 hours after collection).

Nasal or tracheobronchial swabs for PCR testing

- The ends of swabs or catheters must be placed in sterile containers with 1 mL of buffered saline (PBS) and sealed.
- It is recommended to use tubes with screw caps (available at the laboratory if required).
- Samples must be refrigerated as quickly as possible and stored at 2-8 ° C.
- They must arrive at the laboratory as soon as possible (ideally within 72 hours after collection*).
- Note that these swabs or catheters cannot be used for bacteriological testing.

APPENDIX B - AFROBIC OR ANAFROBIC 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.
- Swabs: 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

APPENDICES

APPENDIX C: LIST OF ANTIBIOTICS (SENSITIVITY)

Antibiotics	Avian	Swine	Respiratory *
Amoxicillin	•	•	
Ampicillin	•		•
Apramycin		•	
Ceftiofur	•	•	•
Enrofloxacin	•		•
Erythromycin	•		•
Florfenicol	•	•	•
Gentamicin	•		
Lincomycin	•	•	
Neomycin	•	•	
Penicillin G (Gram+ only)	•	•	
Spectinomycin	•	•	•
Sulbactam / Ampicillin		•	
Sulfamethoxazole	•		
Sulphametoxazole/Trimethoprim	•	•	•
Tetracycline	•	•	•
Tilmicosin		•	•

^{*} Respiratoire : porcin seulement

OTHER ANTIBIOTICS AVAILABLE

- Amikacin
- Amoxicillin / clavulanic acid
- Azithromycin
- Bacitracin
- Cefalotin
- Cefovecin
- Cefoxitin
- Cefpodoxime
- Ceftazidime
- Cephalexin
- Cephazolin
- Chloramphenicol
- Ciprofloxacin
- Clindamycin
- Cloxacillin
- Doxycycline
- Fusidic acid
- Gamithromycin
- Imipenem
- Kanamycin
- Marbofloxacin
- Meropenem

- Metronidazole
- Moxifloxacin
- Mupirocin
- Nitrofurantoin
- Norfloxacin
- Novobiocin
- Ofloxacin
- Oxacillin (Staph only)
- Penicillin / Novobiocin
- Piperacillin
- Pirlimycin
- Polymyxin B
- Pradofloxacin
- Rifampicin
- Streptomycin
- Sulphafurazole / Sulfisoxazole
- Ticarcillin (Gram- only)
- Tildipirosin
- Tobramycin
- Tulatromycin

NOTES

