

DIAGNOSTIC SERVICE

Direct line : 450 778-8151

Ph. : 450 773-8521

or 514 343-6111

Ext.: 8243

Fax : 450 778-8107

Specimen Reception (room 1249)

3200, rue Sicotte, Saint-Hyacinthe J2S 2M2

Mission of the Diagnostic Service

The pride and singularity of Diagnostic Service (SD) resides primarily in its affiliation with University of Montreal and the interaction between the SD and the numerous competent researchers and professors of this famous university. A concentration of such expertise within the Faculté de Médecine Vétérinaire benefits greatly both the SD and its clientele.

The SD consists of 80 qualified employees working within 20 laboratories and units.

The SD is conscious of its unique role in veterinary diagnostics in Québec, as much for its neutrality proper to a scientific environment, as for its privileged situation of a close association between research and diagnostic.

Therefore, the SD includes in its mission to be a centre of excellence and diagnostic reference recognized both nationally and internationally and also, to contribute to the improvement of animal health care.

Among the objectives of the SD, we must point out the implementation of a Kaizen process and the accreditation from the American Association of Veterinary Laboratory Diagnosticians (AAVLD) which assures that our facility can provide a full range of diagnostic services in compliance with the relevant national and international standards of quality such as: ISO 17025, OIE, CFIA, GLP.

It is with great pride that the SD offers you its services. Please contact us to let us know your needs and expectations.

Contact information

Direct line : **450 778-8151**

Contact us at **450 773-8521**

or at **514 343-6111** (from Montreal)

Client Services and Technical Support

Ext. **8243**

Email : service-diagnostic@medvet.umontreal.ca

Ms Véronique Boyer, ext. **8534**

Specimen Reception Manager

Email : v.boyer@umontreal.ca

Mr Jean-François Brodeur, ext. **8670**

Laboratory coordinator

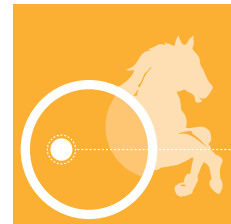
Email : jf.brodeur@umontreal.ca

Billing Services

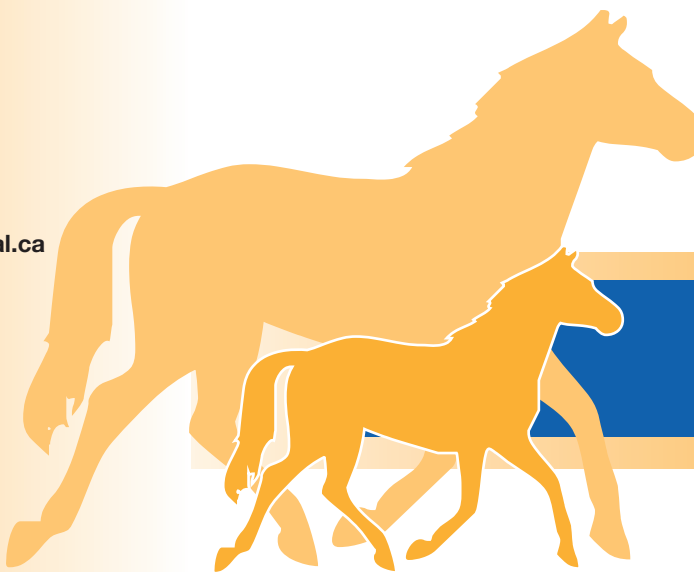
Ms Nadine Messier, ext. **8444**

Email : nadine.messier@umontreal.ca

SERVICE DE DIAGNOSTIC
**Faculté de
médecine vétérinaire**

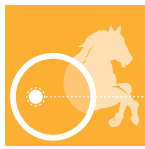


Université 
de Montréal



Effective June 1st, 2012

Tests offered
Equine



BACTERIOLOGY

Anaerobic culture
Blood culture
Dermatophilus culture
Detection of Clostridium difficile toxins
Gram stain
MIC (each antibiotic)
Mycology - fungal culture
Necropsy Routine culture*
Routine culture
Salmonella culture
Sensitivity

Escherichia coli, Reference Laboratory (ECL)

Equine
 Isolated colonies
IMS Detection*
* Magnetic beads and confirmation of serovotyping by PCR
Serotyping

MOLECULAR DIAGNOSTIC

Chlamydomphila spp. (Real-Time PCR)
Clostridium perfringens (Toxins)
Coxiella burnetti (Real-Time PCR)
Herpesvirus type 1 and type 4
Influenza type A (Detection)
Influenza type A (Typing and sequencing of the H & N)
Lawsonia intracellularis
Leptospira spp.
Listeria monocytogenes
Mycobacterium paratuberculosis
Mycoplasma spp.
Neorickettsia
Salmonella spp.
Streptococcus equi
West Nile Virus

CLINICAL PATHOLOGY

Prices include interpretation by a clinical pathologist.

Panels

Equine Panel

Equine chemistry profile and Complete CBC

Chemistry profiles

Electrolytic profile

(CREAT, CA, PHOSP, K, NA, CL, CO2, ANION GAP)

Equine profile

(GLUC, UREA, CREAT, T.BILI, D. BILI, AST, ALP, CK, GGT, T. PROT., ALB, GLOB, ALB /GLOB, CA, PHOSP, K, NA, CL, CO2, ANION GAP, MG)

Large animal hepatic profile

(GLUC, UREA, T.BILI, GLDH, BHB, GGT, T. PROT., ALB, GLOB, CA, PHOSP, K, NA, CL, CO2, ANION GAP)

Pancreatic profile

(GLUC, UREA, CREAT, AST, ALP, ALT, T. PROT., ALB, GLOB, ALB /GLOB, CA, K, NA, CL, CO2, ANION GAP, AMYLASE, LIPASE)

Renal profile

(GLUC, UREA, CREAT, T. PROT., ALB, GLOB, ALB /GLOB, CA, PHOSP, K, NA, CL, CO2, ANION GAP)

Hematology

Blood smear exam
Complete Large Animal CBC
Large Animal CBC, without differential

Mycotoxins, Selenium and vitamins

Deoxynivalenol (DON) (vomitoxin)
Ochratoxin A
Zearalenone
Selenium
Vitamine A
Vitamine E
 2 vitamins
 3 vitamins

Chemistry

Albumin
ALP (Alkaline phosphatase)
ALT (Alanine transaminase)
Ammonia
Amylase
AST (Aspartate aminotransferase)
Bence-Jones Proteins (semi-quantitative)
Bile acids
Bilirubin (Total)
Calcium
Chloride
Cholesterol



CK (creatinine kinase)
Copper (serum)
Creatinine
Electrolytes (Na/K/ Cl/ Co2)
Fructosamine
GGT (Gamma Glutamyl Transferase)
GLDH (Glutamate dehydrogenase)
Glucose
Iron
LDH (Lactate dehydrogenase)
Lipase
Magnesium
Microproteins
 Urine MP/Creatinine Ratio
Non-esterified fatty acids (NEFA)
Osmolality
Phosphorus
Potassium
Protein electrophoresis
Proteins (tot.), albumin, globulines, A/G
Proteins (total)
Sodium
Total CO₂
Triglycerides
Urea
Uric acid
Zinc (serum)

Cytology

Buffy coat

Buffy coat

Cerebrospinal fluid (CSF)

Complete CSF exam (includes microproteins)

Fluids /washes (abdominal, thoracic, pericardic, articular, BAL, tracheal wash, prostatic wash, not including CSF)

1 fluid: proteins only

1 fluid: leukocyte count only

1 fluid: proteins and leukocyte count

Complete fluid exam with cell count

Fluid exam without cell count

Smear Exam

Rivalta test

Cytologie

Bone marrow

External mass (cutaneous, subcutaneous)

Internal organ

Lymph nodes (aspiration)

Endocrinology

Cortisol (baseline)

Progesterone

Total T4

Urinary cortisol

Urinary cortisol/ creatinine ratio

Hematology

Hematology

Hematocrit

Hematocrit and total proteins

Reticulocyte count

Coagulation

Coagulation profile

(PT-PTT/D-dimers/platelets)

Activated Partial Thromboplastin Time (PTT)

D-dimers (canine, equine)

Fibrinogen degradation products (FDP)

Prothrombin Time (PT)

PT-PTT Combo

Immuno-hematology

Cross-Match

Urology

Chemical & macroscopic exam

Complete urinalysis

Microscopic exam

PARASITOLOGY

Baerman exam

Fecal centrifugation – Zinc sulphate

KOH Digestion

Parasite(s) identification

Strongyle count by McMaster slide*

Wisconsin

* This test is not very sensitive. Used to verify treatment effectiveness.

SEROLOGY

EAV (Equine arteritis Virus) – VN

Equine influenza A1 & A2 – HI

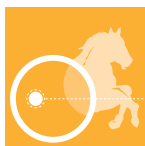
Equine Rotavirus – ELISA (Antigen detection)

Equine Rotavirus – EM (Antigen detection)

ERP (Equine rhinopneumonitis virus) – IFA

ERP (Equine rhinopneumonitis virus) – VN

Infectious Equine Anemia (Coggin's) – ELISA



VIROLOGY

Virus isolation and identification in cell culture

EAV (Equine arteritis virus, Arterivirus)

Isolation only

Isolation and identification

ERP (Equine rhinopneumonitis virus, equine herpesvirus type 4)

Isolation only

Isolation and identification

Influenza

Isolation only

Isolation and identification

VETERINARY GENETICS LABORATORY

Combined immunodeficiency

Equine HYPP (hyperkalemic)

Equine Sabino

Equine White Foal Disease

Freemartin

Glanzmann thrombasthenia

For genotyping (parenting) and karyotyping (chromosome analysis) please contact the Veterinary Genetics Lab.

Ms Isabelle Daneau

450 773-8521 Ext. 8226

Email : isabelle.daneau@umontreal.ca

PATHOLOGY

BIOPSIE

NECROPSY - EQUINE NOT COVERED BY ASAQ

Additional fee for nervous system problem

English version of an official report

Direct immunofluorescence (each slide)

Indirect Immunofluorescence (each slide)

Immunohistochemistry (each slide)

Histological slides (HPS stain) (each slide)

Toxicology

Specimen submission

SPECIMEN RECEPTION :

available 24 hours a day, 7 days a week. In order to improve our services for sample reception, a refrigerator is available for you to drop off your samples when Specimen Reception is closed. This refrigerator is locked and has an opening of 10 x 20cm for you to place your samples. It is located in the corridor facing the entrance at 1425, des Vétérinaires (Security Guard entrance). If the box is too large for the opening of the fridge you can leave it with the security guard and kindly remind him to refrigerate the sample.

Business hours: Specimen reception is open Monday through Friday from **8h30 to 18h**.

Laboratories

Monday through Friday : Bacteriology, molecular diagnostics, parasitology, virology, pathology and Genomic /DNA diagnostic labs are open Monday through Friday from **9h to 17h**. Clinical pathology laboratories are open Monday through Friday from **9h to 19h30**.

Weekends : Clinical pathology laboratories are open on Saturday and Sunday from **9h to 14h**. Bacteriology lab is open for emergencies on Saturdays and Sundays from **9h to 12h**.

Pathology (Necropsy)

Animals submitted for necropsy: : The animals can be submitted directly to the Faculty of Veterinary Medicine.

In front of the faculty's main building there are directions indicating where to find door #3: NÉCROPSIE (AUTOPSIE).

For information call **450 778-8122** or **450 773-8521 ext. 8244**.

Business hours : from 9h to 12h and 13h to 17h.

Specimen submission/shipping information

Samples must be sent to the Faculty of Veterinary Medicine to the following address:

Faculté de médecine vétérinaire

Specimen Reception (Room 1249)

3200, rue Sicotte, Saint-Hyacinthe (Québec) J2S 2M2

Submission forms

Submission forms are available at the Specimen Reception desk (Room 1249).

For more information please contact Customer Service at 450 778-8151.

