

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Département clinique de médecine de laboratoire du Centre universitaire de santé de McGill (CUSM) (site Hôpital général de Montréal)

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SCC File Number:	151124
Provider:	BNQ-EL
Provider File Number:	56691-1
Accreditation Standard(s):	ISO 15189:2012 Medical laboratories – Requirements for quality and competence ISO 22870:2016 Point of care testing (POCT) – Requirements for quality and competence CAN/CSA-Z902-20 Blood and blood components
Program Specialty Area:	Medical
Initial Accreditation:	2020-06-10
Most Recent Accreditation:	2024-05-07
Accreditation Valid to:	2028-06-10

*Remarque: La présente portée d'accréditation existe également en français, celle-ci est publiée séparément.
Note: This scope of accreditation is also available in French as a separately issued document.*

SCC Group Accreditation:

This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- Département clinique de médecine de laboratoire du SITE GLEN, 1001, Décarie St., Montréal (Québec) H4A 3J1 (CCN No.: 151112/ BNQ No.: 56679-1)
- Pavillon Sainte-Famille, 22, Notre-Dame North St., Ville-Marie (Québec) J9V 1W8 (CCN No.: 151113/BNQ No.: 56680-1)
- CLSC de Senneterre, 961, de la Clinique St., Senneterre (Québec) J0Y 2M0 (CCN No.: 151114/BNQ No.: 56681-1)
- Centre de soins de courte durée La Sarre, 679, 2nd Street East, La Sarre (Québec) J9Z 2X7 (CCN No.: 151115/BNQ No.: 56682-1)
- Hôpital et Centre de réadaptation en dépendance de Val-d'Or, 725, 6th Street, Val-d'Or (Québec) J9P 3Y1 (CCN No.: 151116/BNQ No.: 56683-1)
- Hôpital d'Amos, 622, 4th Street West, Amos (Québec) J9T 2S2 (CCN No.: 151117/BNQ No.: 56684-1)
- Hôpital de Rouyn-Noranda, 4, 9th Street, Rouyn-Noranda (Québec) J9X 2B2 (CCN No.: 151118/BNQ No.: 56685-1)
- Point de service de Témiscaming-et-de-Kipawa, 180, Anvik St., Témiscaming (Québec) J0Z 3R0 (CCN No.: 151119/BNQ No.: 56686-1)
- Centre hospitalier de St. Mary's, 3830, Lacombe Ave., Montréal (Québec) H3T 1M5 (CCN No.: 151120/BNQ No.: 56687-1)
- Hôpital de LaSalle, 8585, Champlain, Montréal (Québec) H8P 1C1 (CCN No.: 151121/BNQ No.: 56688-1)
- Hôpital général du Lakeshore, 160, Stillview Ave., Pointe-Claire (Québec) H9R 2Y2 (CCN No.: 151122/BNQ No.: 56689-1)
- Hôpital général juif, 3755, Côte-Sainte-Catherine, Montréal (Québec) H3T 1E2 (CCN No.: 151123/BNQ No.: 56690-1)
- Hôpital de Lachine, 650, 16th Avenue, Montréal (Québec) H8S 3N5 (CCN No.: 151125/BNQ No.: 56692-1)
- Institut et Hôpital neurologiques de Montréal, 3801, University St., Montréal (Québec) H3A 2B4 (CCN No.: 151168/BNQ No.: 58265-1)

SCOPE OF ACCREDITATION

01.0 BIOCHEMISTRY*

- 01.1 BIOCHEMISTRY – CLINICAL
- 01.2 BIOCHEMISTRY – HORMONAL
- 01.4 BIOCHEMISTRY – MEDICATION
- 01.5 BIOCHEMISTRY – TOXICOLOGY

(*) This discipline covers tests subject to ISO 22870; see detailed scope.

02.0 MOLECULAR BIOLOGY

- 02.3 MOLECULAR DIAGNOSIS – INFECTIOUS DISEASES

SCOPE OF ACCREDITATION

05.0 HEMATOLOGY*

05.2 HEMATOLOGY – CYTOLOGY

05.5 HEMATOLOGY – HEMOSTASIS

(*) This discipline covers tests subject to ISO 22870; see detailed scope.

06.0 TRANSFUSION MEDICINE

07.0 MICROBIOLOGY

07.1 MICROBIOLOGY – BACTERIOLOGY

07.5 MICROBIOLOGY – PARASITOLOGY

08.0 ANATOMICAL PATHOLOGY

08.1 PATHOLOGY – CLINICAL

DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30013 - Uric Acid	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30016 - Alanine aminotransferase (ALT)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30017 - Albumin	Spectrophotometry	Blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30029 - Ammoniac	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30060 - Aspartate aminotransferase (AST)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30076 - Lactate acid (by specific electrode)	Electrochemistry	Blood and derived products, CSF, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30079 - Urine (microscopic examination) (automated)	Flow cytometry	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30083 - Bilirubin Direct (conjugated)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30084 - Bilirubin total	Spectrophotometry	Blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30105 - Calcium total	Electrochemistry	Blood and derived products, urine, other biological fluids

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30106 - Calcium Ionized	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30115 - Chloride	Electrochemistry	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30124 - Total CO ₂ or bicarbonate (dosage only)	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30130 - CK total	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30132 - Creatinine	Spectrophotometry	Urine, blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30133 - Crystals (synovial fluid)	Microscopic and/or macroscopic examination including preparation	Feces, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30210 - Gamma glutamyl transferase (GGT)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, metHb, oxyHb, SulfHb)	Calculation	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, metHb, oxyHb, SulfHb)	Co-oximetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, metHb, oxyHb, SulfHb)	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, metHb, oxyHb, SulfHb)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30214 - Glucose	Electrochemistry	Blood and derived products, CSF
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30301 - Lactate Dehydrogenase (LD)	Spectrophotometry	Blood and derived products, CSF, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30306 - Triglyceride lipase	Spectrophotometry	Blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30332 - Total magnesium	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30362 - Osmolality	Cryoscopic Osmometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30383 - pH (biological fluid)	Electrochemistry	Biological fluid
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30386 - Alkaline Phosphatase	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30391 - Phosphate	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30398 - Potassium	Electrochemistry	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30404 - Total protein (other fluids)	Spectrophotometry	Urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30405 - Total protein (serum)	Spectrophotometry	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30412 - C-reactive Protein (CRP) (including ultrasensitive)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30478 - Sodium	Electrochemistry	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30513 - Troponin T or I	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30531 - Urea	Spectrophotometry	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30532 - Urine (microscopic exam)	Microscopic examination including preparation	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30533 - Urine (summary examination)	Reflectance	Urine
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30241 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (qualitative)	Visual reading	Urine
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30242 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (quantitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30244 - Parathyroid hormone (PTH)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30600 - Acetaminophen (Tylenol®, Tempra®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30601 - Valproic acid (Depakène®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30630 - Carbamazepine (Tegretol®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30731 - Phenytoin (Dilantin®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30760 - Salicylates	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30780 - Vancomycin (Vancocin®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.5 Biochemistry – toxicology	30177 - Ethanol (ethyl alcohol) enzymatic	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30070 - Glucose by glucometer	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, metHb, oxyHb, SulfHb)	Electrochemistry/Spectrophotometry/Calculation/Co-oximetry	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30214 - Glucose	Electrochemistry/Spectrophotometry/Calculation/	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30106 - Calcium Ionized	Electrochemistry	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	POCT	30115 - Chloride	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30076 - Lactate acid (by specific electrode)	Electrochemistry/Spectrophotometry/Calculation	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30398 - Potassium	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	POCT	30478 - Sodium	Electrochemistry	Blood and derived products
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45033 - Coronavirus (SARS-CoV-2); detection (NAAT) (rapid test, certified kit) on clinical samples	Detection of nucleic acids	Clinical sample
05.0 HEMATOLOGY	05.2 Hematology – cytology	20320 - Liquid cytology (manual)	Microscopic examination including preparation	Biological fluids, CSF
05.0 HEMATOLOGY	05.2 Hematology – cytology	20321 - Fluid cytology with cytopsin	Flow cytometry	Blood and derived products, urine, other biological fluids
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Calculation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Flow cytometry	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Fluorescence	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Impedance measurement	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20362 - Differential formula (manual) (including staining)	Microscopic examination including preparation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Calculation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Flow cytometry	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Fluorescence	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Impedance measurement	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20490 - Manual sedimentation	Precipitation	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20062 - D-Dimer (automated)	Immunoassay - turbidimetry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20102 - Fibrinogen (active)	Coagulometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20240 - Activated partial thromboplastin time (APTT) or thrombin time (TT) or prothrombin time (PT) (INR) on 50/50 mixture	Coagulometry	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT)	Coagulometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20243 - Prothrombin time (INR) including fibrinogen derivative	Coagulometry	Blood and derived products
05.0 HEMATOLOGY	POCT	20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT) or activated clotting time	Electrochemistry/coagulometry	Blood and derived products
05.0 HEMATOLOGY	POCT	9000 - Hematocrit	Electrochemistry/Spectrophotometry/Calculation	Blood and derived products
05.0 HEMATOLOGY	POCT	9000 - Hemoglobin calculation	Electrochemistry/Spectrophotometry/Calculation	Blood and derived products
05.0 HEMATOLOGY	POCT	20254 - Thromboelastography	Viscoelasticity	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10000 - Cold agglutinins (screening) (qualitative) including autocontrols	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10002 - Cold agglutinins (titration) (quantitative) (autocontrols included)	Immunological method of hemagglutination and derivative	Blood and derived products, cells
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10007 - Irregular antibodies (manual identification)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10024 - Compatibility (manual or automated)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10028 - Coombs direct polyspecific or monospecific (automated)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10032 - Multispecific or monospecific direct coombs (tube technique) (manual)	Immunological method of hemagglutination and derivative	Blood and derived products, cells
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10034 - Polyspecific or monospecific direct coombs (gel technique) (manual)	Immunological method of hemagglutination and derivative	Blood and derived products, cells
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10060 - Elution (including identification on eluate)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10085 - ABO-Rh blood group (automated)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10086 - ABO-Rh blood type (manual)	Immunological method of hemagglutination and derivative	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10111 - Irregular antibodies (automated identification)	Immunological method of hemagglutination and derivative	Blood and derived products, cells
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10136 - Common erythrocyte phenotype (patient or product / by antigen / excluding ABO, D / including controls) (manual)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10150 - Irregular antibodies (manual search)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10153 - Irregular antibodies (automated search)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10170 - Antibody titration (per antibody) (including titration on previous serum)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10730 - Blood group confirmation (red blood cells)	Immunological method of hemagglutination and derivative	Blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40101 - Blood culture (1 bottle: aerobic or anaerobic)	Bacterial culture	Blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40102 - Blood culture (2 bottles: aerobic + anaerobic)	Bacterial culture	Blood and derived products
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41120 - Malaria (rapid Ag detection) (immunochromatography)	Immunoassay - fluorescence	Blood and derived products
<u>08.0 ANATOMICAL PATHOLOGY</u>	<u>08.1 Pathology – clinical</u>	<u>60141 - Extemporaneous examination (including staining)</u>	<u>Microscopic and/or macroscopic examination including preparation</u>	<u>Tissue/cell blocks (paraffin, others), cells, fresh tissue</u>

Notes

ISO 15189:2012: Medical laboratories — Requirements for quality and competence

ISO 22870:2016: Point-of-care testing (POCT) — Requirements for quality and competence

CAN/CSA-Z902-20 – Blood and Blood Components

POV-ASB: Accreditation Program Overview

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice President, Accreditation Services
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**APPENDIX A
SITES UNDER THE RESPONSIBILITY OF THE ACCREDITED LABORATORY**

**Département clinique de médecine de laboratoire du Centre universitaire de santé
de McGill (CUSM) (site Hôpital général de Montréal)
1650, avenue Cedar avenue, Montréal (Québec) H3G 1A4**

Not applicable: The group's external sites are all listed in Appendix A of the Glen "server
lab" site (BNQ File No.: 56679-1 / SCC File No.: 151112).