

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory:	Département clinique de médecine de laboratoire du Centre hospitalier de l'Université de Montréal (CHUM) (Site Hôpital Notre-Dame)
Contact name:	Bruno Lamontagne, Clinico-administrative Director, Direction of the OPTILAB Montréal-CHUM cluster
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SCC File Number:	151133
Provider:	BNQ-EL
Provider File Number:	56662-1
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:	2021-03-25
Most Recent Accreditation:	2023-11-16
Accreditation Valid to:	2025-03-25

*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.

- Centre hospitalier de l'Université de Montréal, 1051, Sanguinet St., Montréal (Québec) H2X 3E4 (CCN no.: 151126 / BNQ no.: 56655-1)
- Hôpital Maisonneuve-Rosemont, 5415, de l'Assomption Blvd., Montréal (Québec) H1T 2M4 (CCN no.: 151128/BNQ no.: 56657-1)
- Hôpital Santa Cabrini, 5655, Saint-Zotique E. St., Montréal (Québec) H1T 1P7 (CCN no.: 151129 / BNQ no.: 56658-1)
- Hôpital de Verdun, 4000, Lasalle Blvd., Montréal (Québec) H4G 2A3 (CCN no.: 151132 / BNQ no.: 56661-1)
- Hôpital du Sacré-Cœur de Montréal, 5400, Gouin W. Blvd., Montréal (Québec) H4J 1C5 (CCN no.: 151134 / BNQ no.: 56663-1)
- Hôpital Fleury, 2180, Fleury E. St., Montréal (Québec) H2B 1K3 (CCN no.: 151135 / BNQ no.: 56664-1)
- Hôpital Jean-Talon, 1385, Jean-Talon E. St., Montréal (Québec) H2E 1S6 (CCN no.: 151136 / BNQ no.: 56665-1)
- Institut de cardiologie de Montréal, 5000, Bélanger St., Montréal (Québec) H1T 1C8 (CCN no.: 151138 / BNQ no. : 56667-1)

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

05.0 HEMATOLOGY

- 05.2 HEMATOLOGY – CYTOLOGY
- 05.5 HEMATOLOGY – HEMOSTASIS
- 05.7 HEMATOLOGY – IMMUNOLOGY

06.0 TRANSFUSION MEDICINE

SCOPE OF ACCREDITATION

07.0 MICROBIOLOGY

- 07.1 MICROBIOLOGY – BACTERIOLOGY
- 07.2 MICROBIOLOGY – IMMUNOSEROLOGY
- 07.5 MICROBIOLOGY – PARASITOLOGY

DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30005 - Beta-hydroxybutyrate (whole blood)	Electrochemistry	Blood and derived products
		30010 - Lactic acid (colorimetric)	Spectrophotometry	Blood and derived products, other biological fluids, CSF
		30013 - Uric Acid	Spectrophotometry	Blood and derived products, urine, other biological fluids
		30016 - Alanine aminotransferase (ALT)	Spectrophotometry	Blood and derived products
		30017 - Albumin	Spectrophotometry	Blood and derived products, other biological fluids
		30029 - Ammoniac	Spectrophotometry	Blood and derived products
		30060 - Aspartate aminotransferase (AST)	Spectrophotometry	Blood and derived products
		30076 - Lactate acid (by specific electrode)	Electrochemistry	Blood and derived products
		30078 - Procalcitonin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30083 - Bilirubin Direct (conjugated)	Spectrophotometry	Blood and derived products
		30084 - Bilirubin total	Spectrophotometry	Blood and derived products, other biological fluids
		30095 - NT-PRO-BNP (Brain Natriuretic Peptide)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30105 - Calcium total	Electrochemistry	Blood and derived products, urine
		30106 - Calcium Ionized	Electrochemistry	Blood and derived products
		30115 - Chloride	Electrochemistry	Blood and derived products, other biological fluids, CSF, feces, urine
		30116 - Cholesterol – HDL	Spectrophotometry	Blood and derived products
		30119 - Cholesterol total	Spectrophotometry	Blood and derived products, other biological fluids
		30124 - Total CO ₂ or bicarbonate (dosage only)	Electrochemistry	Blood and derived products
30130 - CK total	Spectrophotometry	Blood and derived products		

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
		30132 - Creatinine	Spectrophotometry	Blood and derived products, urine, other biological fluids
		30133 - Crystals (synovial fluid)	Microscopic examination including preparation	Other biological fluids
		30191 - Iron (serum)	Spectrophotometry	Blood and derived products
		30210 - Gamma glutamyl transferase (GGT)	Spectrophotometry	Blood and derived products
		30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, methHb, oxyHb, SulfHb, CO ₂ total)	Electrochemistry	Blood and derived products
			Co-oximetry	
			Calculation	
		30214 - Glucose	Spectrophotometry	Blood and derived products, other biological fluids, CSF, urine
			Electrochemistry	Blood and derived products
		30301 - Lactate Dehydrogenase (LD)	Spectrophotometry	Blood and derived products, CSF, other biological fluids
		30306 - Triglyceride lipase	Spectrophotometry	Blood and derived products, other biological fluids
		30332 - Total magnesium	Spectrophotometry	Blood and derived products, urine
		30337 - Microalbumin (urine)	Immunoassay - turbidimetry	Urine
		30362 - Osmolality	Cryoscopic Osmometry	Blood and derived products, urine, feces, other biological fluids
		30383 - pH (biological fluid)	Electrochemistry	Other biological fluids
		30386 - Alkaline Phosphatase	Spectrophotometry	Blood and derived products, other biological fluids
		30391 - Phosphate	Spectrophotometry	Blood and derived products, urine, feces
		30398 - Potassium	Electrochemistry	Blood and derived products, urine, feces
		30404 - Total protein (other fluids)	Spectrophotometry	Other biological fluids, urine, CSF
		30405 - Total protein (serum)	Spectrophotometry	Blood and derived products, other biological fluids
		30412 - C-reactive Protein (CRP) (including ultrasensitive)	Immunoassay - turbidimetry	Blood and derived products
		30471 - Occult Blood Stool (qualitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Feces
		30478 - Sodium	Electrochemistry	Blood and derived products, urine, feces
		30511 - Transferrin	Immunoassay - turbidimetry	Blood and derived products
		30512 - Triglycerides	Spectrophotometry	Blood and derived products, other biological fluids
		30513 - Troponine T or I	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30531 - Urea	Electrochemistry	Blood and derived products, urine

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
		30532 - Urine (microscopic exam)	Microscopic examination including preparation	Urine
		30533 - Urine (summary examination)	Reflectance	Urine
			Refractometry	
	01.2 Biochemistry – hormonal	30241 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (qualitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
		30242 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (quantitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30502 - T4L (free thyroxine)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30516 - TSH (thyrotropic hormone)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
	01.4 Biochemistry – medication	30600 - Acetaminophen	Immunoassay - turbidimetry	Blood and derived products
		30601 - Valproic acid	Immunoassay - turbidimetry	Blood and derived products
		30630 - Carbamazepine	#N/A	Blood and derived products
		30640 - Digoxine	Immunoassay - turbidimetry	Blood and derived products
		30692 - Lithium (Li)	Spectrophotometry	Blood and derived products
		30731 - Phenytoin	Immunoassay - turbidimetry	Blood and derived products
		30760 - Salicylates	Spectrophotometry	Blood and derived products
		30780 - Vancomycine	Immunoassay - turbidimetry	Blood and derived products
	01.5 Biochemistry – toxicology	30177 - Ethanol (ethyl alcohol)	Spectrophotometry	Blood and derived products, urine
		30604 - Amphetamines/methamphetamine (other than strip) (automated)	Spectrophotometry	Urine
		30621 - Benzodiazepines (other than strip) (automated)	Spectrophotometry	Urine
		30701 - Methadone (other than strip) (automated)	Spectrophotometry	Urine
		30831 - Cannabinoids (THC) (other than strip) (automated)	Spectrophotometry	Urine
		30834 - Cocaine (other than strip) (automated)	Spectrophotometry	Urine
		30890 - Opiates (other than screening) (automated)	Spectrophotometry	Urine
		30891 - PCP (other than screening) (automated)	Spectrophotometry	Urine
		POCT	Capillary glucose determination	NA
	Hemoglobin determination			

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
		Summary examination (urine) (manual reading) Summary examination (urine) (automated reading) Detection of chorionic gonadotropin hormone (HCG) Tear pH measurement Vaginal secretions analysis Street drug detection Leukocyte count and neutrophil percentage Group A streptococcus detection		
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45026 - Clostridium difficile; detection of toxin B gene (NAAT) on clinical specimen	Detection of nucleic acids	Feces
		45033 - Coronavirus (SARS-CoV-2); detection (NAAT) (rapid test, certified kit) on clinical samples	Detection of nucleic acids	Secretion, clinical sample
		45131 - Respiratory viruses; multiplex detection of 3 viruses (influenza A, influenza B and RSV) (NAAT) (multiplex) (certified kit) on clinical specimen	Detection of nucleic acids	Clinical sample
05.0 HEMATOLOGY	05.2 Hematology – cytology	20320 - Liquid cytology (manual)	Microscopic examination including preparation	Other biological fluids
		20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Flow cytometry	Blood and derived products, other biological fluids
			Impedance measurement	
			Spectrophotometry	
			Calculation	
		20362 - Differential formula (manual) (including staining)	Microscopic examination including preparation	Blood and derived products
		20364 - Complete blood count (CBC) or Hb-Ht-Plaq. Micro-method (automated)	Flow cytometry	Blood and derived products
	Impedance measurement			
	Calculation			
	Spectrophotometry			
	20470 - Reticulocytes (automated)	Flow cytometry	Blood and derived products	
20490 - Manual sedimentation	#N/A	Blood and derived products		
05.5 Hematology – hemostasis	20044 - Cryofibrinogen	Precipitation	Blood and derived products	
		Visual reading		
	20062 - D-Dimer (automated)	Chronometric method	Blood and derived products	
20102 - Fibrinogen (activity)	Chronometric method	Blood and derived products		

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)	
		20240 - Activated partial thromboplastin time (APTT) or thrombin time (TT) or prothrombin time (PT) (INR) on 50/50 mixture	Chronometric method	Blood and derived products	
		20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT)	Chronometric method	Blood and derived products	
		20243 - Prothrombin time (INR) including fibrinogen derivative	Chronometric method	Blood and derived products	
		20245 - In vitro bleeding time (per agent) (PFA-100)	Aggregometry	Blood and derived products	
		20248 - Thrombin time (TT)	Chronometric method	Blood and derived products	
	05.7 Hematology – immunology	20774 - Cryoglobulins (qualitative)	Precipitation	Blood and derived products	
			Visual reading		
	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
			10007 - Irregular antibodies (manual identification)	Immunological method of hemagglutination and derivative	Blood and derived products
			10024 - Compatibility (manual or automated)	Immunological method of hemagglutination and derivative	Blood and derived products
10032 - Multispecific or monospecific direct coombs (tube technique) (manual)			Immunological method of hemagglutination and derivative	Blood and derived products	
10060 - Elution (including identification on eluate)			Immunological method of hemagglutination and derivative	Blood and derived products	
10085 - ABO-Rh blood group (automated)			Immunological method of hemagglutination and derivative	Blood and derived products	
10086 - ABO-Rh blood type (manual)			Immunological method of hemagglutination and derivative	Blood and derived products	
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	
10150 - Irregular antibodies (manual search)			Immunological method of hemagglutination and derivative	Blood and derived products	
10153 - Irregular antibodies (automated search)			Immunological method of hemagglutination and derivative	Blood and derived products	
10170 - Antibody titration (per antibody) (including titration on previous serum)			Immunological method of hemagglutination and derivative	Blood and derived products	
10173 - Cell treatment (EGA KIT method)			Enzymatic method	Blood and derived products	

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40101 - Blood culture (1 bottle: aerobic or anaerobic)	Bacterial culture	Blood and derived products
		40102 - Blood culture (2 bottles: aerobic + anaerobic)	Bacterial culture	Blood and derived products
		40130 - Gram staining (on colony)	Microscopic examination including preparation	Blood and derived products
	07.2 Microbiology – immunoserology	40740 - Mononucleosis heterophilic antibody (agglutination)	Qualitative or quantitative agglutination	Blood and derived products
	07.5 Microbiology – parasitology	41120 - Malaria (rapid Ag detection) (immunochromatography)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		41122 - Malaria (reading and identification, including % parasitaemia)	Microscopic examination including preparation	Blood and derived products

Notes

Accreditation is granted under a flexible scope. The list of methods subject to accreditation is available.

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.

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