

## 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 du Sacré-Cœur de Montréal)**

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<b>SCC File Number:</b>	151134
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	56663-1
<b>Accreditation Standard(s):</b>	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
<b>Program Specialty Area:</b>	Medical
<b>Initial Accreditation:</b>	2021-03-25
<b>Most Recent Accreditation:</b>	2023-11-16
<b>Accreditation Valid to:</b>	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 Notre-Dame, 1560, Sherbrooke E. St., Montréal (Québec) H2L 4M1 (CCN no.: 151133 / BNQ no.: 56662-1)
- 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
- 01.3 BIOCHEMISTRY – IMMUNOLOGY
- 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

- 05.1 HEMATOLOGY – CYTOCHEMISTRY
- 05.2 HEMATOLOGY – CYTOLOGY
- 05.3 HEMATOLOGY – ERYTHROCYTIC
- 05.4 HEMATOLOGY – GRAFTS
- 05.5 HEMATOLOGY – HEMOSTASIS

## SCOPE OF ACCREDITATION

- 05.6 HEMATOLOGY – IMMUNOCYTOMETRY
- 05.7 HEMATOLOGY – IMMUNOLOGY

### 06.0 TRANSFUSION MEDICINE

### 07.0 MICROBIOLOGY

- 07.1 MICROBIOLOGY – BACTERIOLOGY
- 07.2 MICROBIOLOGY – IMMUNOSEROLOGY
- 07.3 MICROBIOLOGY – MYCOBACTERIOLOGY
- 07.4 MICROBIOLOGY – MYCOLOGY
- 07.5 MICROBIOLOGY – PARASITOLOGY

### 08.0 ANATOMICAL PATHOLOGY

- 08.1 PATHOLOGY – CLINICAL
- 08.3 PATHOLOGY – CYTOLOGY

## DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	Physical characterization	Reflectance	Urine and secretions
			Refractometry	Urine, other biological fluids
		Osmolality measurement	Cryoscopic Osmometry	Blood and derived products, feces, urine, other biological fluids
		Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Calculation	Blood and derived products
			Spectrophotometry	Blood and derived products, feces, urine and other biological fluids
			Chromatography	Blood and blood products, feces, urine
			Co-oximetry	Blood and derived products
			Electrophoresis	CSF, blood and derived products, urine
			Microscopic examination including preparation	Blood and derived products, urine, other biological fluids
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	CSF, blood and derived products, other biological fluids
		Immunoassay - turbidimetry	Blood and blood products, feces, urine	

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
			Enzymatic method	Blood and derived products, urine, CSF, other biological fluids
			Electrochemistry	Blood and derived products, other biological fluids, feces
			Precipitation	Blood and derived products
			Visual reading	Blood and derived products
	01.2 Biochemistry – hormonal	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Enzyme immunoassays (chemiluminescence, ELISA and derivatives)	Blood and derived products
			Visual reading	Blood and derived products, urine
	01.3 Biochemistry – immunology	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Immunoassay - turbidimetry	Blood and derived products
	01.4 Biochemistry – medication	Research, identification and/or determination of the concentration of xenobiotics/drugs	Spectrophotometry	Blood and derived products
			Enzyme immunoassays (chemiluminescence, ELISA and derivatives)	Blood and derived products
			Immunoassay - turbidimetry	Blood and derived products
	01.5 Biochemistry – toxicology	Research, identification and/or determination of the concentration of toxic substances or analytes	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, urine
			Spectrophotometry	Blood and derived products, urine
	POCT	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Capillary glucose assay	Blood and derived products, urine, feces, secretions, clinical sample, other biological fluids
			Summary examination (urine) (visual reading)	
			Blood gas analysis with or without co-oximetry (pO <sub>2</sub> , pCO <sub>2</sub> , pH, HCO <sub>3</sub> , COHb, meHb, oxyHb, SulfHb, total CO <sub>2</sub> )	
			Diagnostic test panel (Multiparametric)	
			Determination of activated partial thromboplastin time (ACT) (coagulometer)	
			Tear pH measurement	
Hemoglobin determination				
Amniotic membrane rupture test				
Transcutaneous assessment of bilirubin levels				
Detection of occult blood in stool				

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)	
			Analysis of vaginal secretions		
			White blood cell count and neutrophil percentage		
			SARS-CoV-2 screening		
			Detection of group A streptococcus		
			Detection of chorionic gonadotropin hormone (HCG)		
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	Research and identification and/or determination of the concentration (quantification) of viral, bacterial and fungal nucleic acids	Detection of nucleic acids	CSF, blood and derived products	
05.0 HEMATOLOGY	05.1 Hematology – cytochemistry	Determination of hematocytochemistry parameters	Microscopic examination including preparation	Cells, marrow	
		Hemogram, research, identification and/or cells quantification	Microscopic examination including preparation	Cells, marrow, urine	
	05.2 Hematology – cytology	Hemogram, research, identification and/or cells quantification	Calculation	Blood and derived products	
			Flow cytometry	Blood and derived products	
			Microscopic examination including preparation	Marrow, blood and derived products, other biological fluids, CSF	
			Impedance measurement	Blood and derived products	
	05.3 Hematology – erythrocytic	Red blood cell aggregation technique	Precipitation	Blood and derived products	
			Physical characterization	Viscometry	Blood and derived products
			Search for cellular abnormalities	Microscopic examination including preparation	Blood and derived products
	05.5 Hematology – hemostasis	Research and determination of hemoglobin concentration	Electrophoresis	Blood and derived products	
			Spectrophotometry	Blood and derived products, other biological fluids, CSF	
			Coagulometry	Blood and derived products	
			Spectrophotometry	Blood and derived products	
			Chromogenic method	Blood and derived products	
			Photometry	Blood and derived products	
Platelet tests, search for and determination of heparin-dependent antibody concentration	Enzyme immunoassays (chemiluminescence, ELISA and derivatives)	Blood and derived products			
	Aggregometry	Blood and derived products			

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
	<b>05.6 Hematology – immunocytometry</b>	Hematocytological phenotyping	<b>Flow cytometry</b>	Blood and derived products, other biological fluids, CSF, marrow
	<b>05.7 Hematology – immunology</b>	Research, identification and/or determination of the concentration of proteins, anticoagulants, antibodies	<b>Turbidimetry</b>	Blood and derived products
		Research, identification and/or determination of the concentration of proteins, anticoagulants, antibodies	<b>Visual reading</b>	Blood and derived products
		Research, identification and/or determination of the concentration of proteins, anticoagulants, antibodies	<b>Immunoassay - fluorescence</b>	Blood and derived products
<b>06.0 TRANSFUSION MEDICINE</b>	<b>06.0 Transfusion medicine</b>	Research and determination of erythrocyte antigens; determination of blood groups	<b>Immunological method of hemagglutination and derivative</b>	Blood and derived products
		Research and/or identification of anti-erythrocytic antibodies	<b>Immunological method of hemagglutination and derivative</b>	Blood and derived products
<b>07.0 MICROBIOLOGY</b>	<b>07.1 Microbiology – bacteriology</b>	Characterization of the sensitivity of bacteria to different substances	<b>Phenotypic determination: sensitivity tests</b>	Clinical sample, isolate
		Preparation for bacterial research and identification	<b>Bacterial culture</b>	Clinical sample, other biological fluids, CSF
			<b>Microscopic examination including preparation</b>	Secretions, clinical sample, isolate
		Research and identification of toxins, enzymes, antibodies and bacterial antigens	<b>Phenotypic determination: biochemical characterization</b>	Clinical sample, isolate
			<b>Enzyme immunoassays (chemiluminescence, EIA and derivatives)</b>	Feces, urine, fresh sample, CSF, other biological fluids
		<b>Immunoassay - fluorescence</b>	Feces, urine, fresh tissue, CSF, other biological fluids	
	Research and identification of bacteria	<b>Phenotypic determination by mass spectrometry</b>	Clinical sample	
		<b>Microscopic examination including preparation</b>	Secretions, clinical sample, isolate	
	<b>07.2 Microbiology – immunoserology</b>	Research, identification and/or determination of the concentration of antibodies and/or antigens specific to infectious agents	<b>Qualitative or quantitative agglutination</b>	Blood and derived products
			<b>Enzyme immunoassays (chemiluminescence, EIA and derivatives)</b>	Blood and derived products
		Research and identification of mycobacteria	<b>Mycobacterial culture</b>	Clinical sample, blood and derived products, fresh tissue, other biological fluids, CSF
			<b>Microscopic examination including preparation</b>	Clinical sample, blood and derived products, fresh tissue, other biological fluids, CSF
<b>Immunoassay - fluorescence</b>	Clinical sample, blood and derived products, fresh tissue, other biological fluids, CSF			
<b>07.4 Microbiology – mycology</b>	Research and identification of fungi and yeast	<b>Phenotypic determination: mass spectrometry</b>	Blood and derived products, clinical sample, other biological fluids, CSF	

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
			Fungal culture	Clinical sample, blood and derived products, other biological fluids, CSF
			Microscopic examination including preparation	Clinical sample, blood and derived products, other biological fluids, CSF
			Immunoassay - fluorescence	Clinical sample
		Research, identification and/or determination of the concentration of antibodies and/or antigens specific to infectious agents	Qualitative or quantitative agglutination	Other biological fluids, clinical sample
	07.5 Microbiology – parasitology	Research and identification of parasites	Parasite culture	Secretion, clinical sample
			Microscopic examination including preparation	Blood and derived products, feces, fresh tissue, and other biological fluids, CSF
Enzyme immunoassays (chemiluminescence, EIA and derivatives)			Blood and derived products	
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	Autopsies; ultrastructural morphological observation of tissue and cellular components; evaluation of the proportion of specific components/antigens/enzymes	Microscopic examination including preparation	Fresh tissue
			Macroscopic examination including preparation	Fresh tissue
			Immunohistochemistry	Fresh tissue
	08.3 Pathology – cytology	Morphological observation of cellular constituents	Microscopic examination including preparation	Secretions, other biological fluids

### 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](http://www.scc.ca).

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