

## MEDICAL LABORATORY ACCREDITATION PROGRAM

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** Département de médecine de laboratoire  
du CHU de Québec – Université Laval  
(site HÔTEL-DIEU DE QUEBEC)

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<b>SCC File Number:</b>	151152
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	56442-1
<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>	2020-10-16
<b>Most Recent Accreditation:</b>	2023-09-30
<b>Accreditation Valid to:</b>	2025-10-16

*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 Laval, 2705, boul. Laurier, Québec (Québec) G1V 4G2 (No CCN : 151142 / No BNQ : 56432-1),
- Hôpital de l'Archipel, 430, chemin Principal, Cap-aux-Meules (Québec) G4T 1R9 (No CCN : 151143 / No BNQ : 56433-1),
- Hôpital Jeffery Hale, 1250, chemin Sainte-Foy, Québec (Québec) G1S 2M6 (No CCN : 151144 / No BNQ : 56434-1),
- Hôpital régional de Portneuf, 700, rue Saint-Cyrille, Saint-Raymond (Québec) G3L 1W1 (No CCN : 151145 / No BNQ : 56435-1),
- Hôpital Chauveau, 11999, rue de l'Hôpital, Québec (Québec) G2A 2T7 (No CCN : 151146 / No BNQ : 56436-1),
- Hôpital de Saint-Anne-de-Beaupré, 11000, rue des Montagnards, Beaupré (Québec) G0A 1E0 (No CCN : 151147 / No BNQ : 56437-1),
- Hôpital de La Malbaie, 303, rue Saint-Étienne, La Malbaie (Québec) G5A 1T1 (No CCN : 151148 / No BNQ : 56438-1),
- Hôpital de Baie-Saint-Paul, 88, rue Racine, Baie-Saint-Paul (Québec) G3Z 0K3 (No CCN : 151149 / No BNQ : 56439-1),
- Hôpital du Saint-Sacrement, 1050, chemin Sainte-Foy, Québec (Québec) G1S 4L8 (No CCN : 151151 / No BNQ : 56441-1),
- Hôpital Saint-François d'Assise, 10, rue de l'Espinay, Québec (Québec) G1L 3L5 (No CCN : 151153 / No BNQ : 56443-1),
- Hôpital de l'Enfant-Jésus, 1401, 18<sup>e</sup> Rue, Québec (Québec) G1J 1Z4 (No CCN : 151154 / No BNQ : 56444-1),
- Institut universitaire de cardiologie et de pneumologie de Québec, 2725, chemin Sainte-Foy, Québec (Québec) G1V 4G5 (No CCN : 151155 / No BNQ : 56445-1),

## 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
- 02.4 MOLECULAR DIAGNOSIS – HEREDITARY DISEASES
- 02.5 MOLECULAR DIAGNOSIS – ONCOLOGY

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

### 05.0 HEMATOLOGY\*

- 05.2 HEMATOLOGY – CYTOLOGY
- 05.4 HEMATOLOGY – GRAFTS
- 05.5 HEMATOLOGY – HEMOSTASIS
- 05.6 HEMATOLOGY – IMMUNOCYTOMETRY

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

### 06.0 TRANSFUSION MEDICINE

### 07.0 MICROBIOLOGY

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

### 08.0 ANATOMICAL PATHOLOGY

- 08.1 PATHOLOGY – CLINICAL

## DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	Osmolality measurement	Cryoscopic Osmometry	Blood and derived products, urine
		Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Electrochemistry	Blood and derived products, CSF, urine, other biological fluids
			Microscopic examination including preparation	Urine,
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Nephelometry	Blood and derived products, urine
			Precipitation	Blood and derived products
			Reflectance	Urine
			Infrared spectrometry	Blood and derived products
	01.2 Biochemistry – hormonal	Spectrophotometry	Blood and derived products, CSF, urine, other biological fluids	
			Immunochemistry	Blood and derived products, urine
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		01.4 Biochemistry – medication	Research, identification and/or determination of the concentration of xenobiotics / drugs	Enzyme immunoassays (chemiluminescence, EIA and derivatives)
	Immunoassay - turbidimetry			Blood and derived products
	Spectrophotometry		Blood and derived products	
	01.5 Biochemistry – toxicology	Research, identification and/or determination of the concentration of toxic substances or analytes	Immunochemistry	Urine
Spectrophotometry			Blood and derived products, urine, fresh tissue	
POCT	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Blood gases and electrolytes Blood sugar	Blood and derived products	
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	Clinical sample

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
	<b>02.4 Molecular diagnosis of hereditary disease</b>	Characterization and/or quantification of molecular anomalies		Tissue/cell blocks (paraffin, others), cells, fresh tissue
	<b>02.5 Molecular Diagnosis Oncology</b>	Characterization and/or quantification of molecular anomalies: detection of mutations, inversions, translocations, methylations, deletions		<b>Conventional sequencing</b>
		<b>POCT</b>	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	<b>SARS-CoV-2</b>
	<b>05.0 HEMATOLOGY</b>	<b>05.2 Hematology – cytology</b>	Hemogram, research, identification and/or cells quantification	<b>Microscopic examination including preparation</b>
			<b>Impedance measurement</b>	Blood and derived products, CSF, other biological fluids
Red blood cell aggregation technique			<b>Precipitation</b>	Blood and derived products
<b>05.4 Hematology – transplant</b>		Hematocytological phenotyping	<b>Cell culture</b>	Blood and derived products
<b>05.5 Hematology – hemostasis</b>		Determination of hemostasis parameters	<b>Coagulometry</b>	Blood and derived products
			<b>Turbidimetry</b>	Blood and derived products
		Bleeding time	<b>Aggregometry</b>	Blood and derived products
<b>05.6 Hematology – immunocytometry</b>		Hematocytological phenotyping	<b>Flow cytometry</b>	Blood and derived products, CSF, bone marrow, other biological fluids
<b>POCT</b>	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	<b>Activated clotting time (ACT)</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
<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>	Isolate, clinical sample
		Preparation for bacterial research and identification	<b>Cell culture</b>	Blood and derived products, clinical specimen
			<b>Microscopic examination including preparation</b>	Blood and derived products, clinical specimen
		Research and identification of bacteria		Isolate, clinical sample
Research and identification of toxins, enzymes, antibodies and bacterial antigens	<b>Enzyme immunoassays (chemiluminescence, EIA and derivatives)</b>	Urine, CSF, stool		

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
	07.3 Microbiology – mycobacteriology	Diagnosis of latent tuberculosis infection	Immunoassay - enzymatic (IGRA)	Blood and derived products
		Research and identification of mycobacteria	Mycobacterial culture	Clinical sample
			Microscopic examination including preparation	Clinical sample
	07.4 Microbiology – mycology	Research and identification of fungi and yeast	Phenotypic determination: sensitivity tests	Isolate
		Research, identification and/or determination of the concentration of antibodies and/or antigens specific to infectious agents	Qualitative or quantitative agglutination	CSF, blood and derived products
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Clinical sample
	07.5 Microbiology – parasitology	Research, identification and/or determination of the concentration of antibodies and/or antigens specific to infectious agents	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	Tissue/cell blocks (paraffin, others), cells, fresh tissue
			Immunohistochemistry	Tissue/cell blocks (paraffin, others), cells, blood and derived products, other biological fluids
		Assessment of the proportion of specific constituents / antigens / enzymes	Immunoassay - fluorescence	Fresh tissue

### 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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