

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Département de médecine de laboratoire du CHU de Québec – Université Laval (site INSTITUT UNIVERSITAIRE DE CARDIOLOGIE ET DE PNEUMOLOGIE DE QUÉBEC)

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SCC File Number:	151155
Provider:	BNQ-EL
Provider File Number:	56445-1
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:	2020-10-16
Most Recent Accreditation:	2023-09-30
Accreditation Valid to:	2024-10-16

*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),
- Hôtel-Dieu de Québec, 11, Côte du Palais, Québec (Québec) G1R 2J6 (No CCN : 151152 / No BNQ : 56442-1),
- 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^e Rue, Québec (Québec) G1J 1Z4 (No CCN : 151154 / No BNQ : 56444-1),

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*

- 02.2 MOLECULAR DIAGNOSIS – HEMATOLOGY
- 02.5 MOLECULAR DIAGNOSIS – ONCOLOGY

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

05.0 HEMATOLOGY*

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

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

06.0 TRANSFUSION MEDICINE

07.0 MICROBIOLOGY

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

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
			Refractometry	Urine
		Osmolality measurement	Cryoscopic Osmometry	Blood and derived products, urine
		Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Calculation	Blood and derived products, urine, other biological fluids
			Co-Oxymetry	Blood and derived products, other biological fluids
			Electrochemistry	Blood and derived products, CSF, urine, other biological fluids
			Microscopic examination including preparation	Urine, other biological fluids
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Immunoassay - Nephelometry	Blood and derived products
			Visual reading	Blood and derived products, other biological fluids, urine
			Enzymatic method	Blood and blood products, urine, CSF, other biological fluids
			Nephelometry	Urine, other biological fluids
			Reflectance	Urine
	Spectrophotometry	Blood and derived products, CSF, urine, other biological fluids		
	01.2 Biochemistry – hormonal		Immunochromatography	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)	Blood and derived products
			Immunoassay - Nephelometry	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	Fluorometry	Blood and derived products
Visual reading - Immunochromatography			Urine	
Spectrophotometry			Blood and derived products	

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
	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, stool
	02.5 Molecular Diagnosis Oncology	Characterization and/or quantification of molecular anomalies: detection of mutations, inversions, translocations, methylations, deletions	Molecular in situ hybridization (CISH, FISH)	Tissue/cell blocks (paraffin)
		Research for point mutations, short insertions/deletions, fusions and oncogenic isoforms by next generation sequencing	Detection of nucleic acids Nucleic Acid Amplification Tests (NAATs)	Tissue/cell blocks (paraffin)
			Next-Generation Sequencing (NGS)	Tissue/cell blocks (paraffin)
	POCT	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	SARS-CoV-2	Clinical sample
05.0 HEMATOLOGY	05.2 Hematology – cytology	Hemogram, research, identification and/or cells quantification	Flow cytometry	Blood and derived products
			Microscopic examination including preparation	Blood and derived products, CSF, other biological fluids
			Impedance measurement	Blood and derived products
		Red blood cell aggregation technique	Precipitation	Blood and derived products
	05.3 Hematology – erythrocytic	Research and determination of hemoglobin concentration	Calculation	Blood and derived products
			Spectrophotometry	Blood and derived products
	05.5 Hematology – hemostasis	Determination of hemostasis parameters	Coagulometry	Blood and derived products
			Chromogenic method	Blood and derived products
			Chronometric method	Blood and derived products
			Turbidimetry	Blood and derived products
		Bleeding time	Aggregometry	Blood and derived products
	05.7 Hematology – immunology	Research, identification and/or determination of the concentration of proteins, anticoagulants, antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Chromogenic method	Blood and derived products
Spectrophotometry			Blood and derived products	
POCT	Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Activated clotting time (ACT)	Blood and derived products	
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	Research and determination of erythrocyte antigens; determination of blood groups	Immunological method of hemagglutination and derivative	Blood and derived products

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	Characterization of the sensitivity of bacteria to different substances	Phenotypic determination: sensitivity tests	Isolate
		Preparation for bacterial research and identification	Cell culture	Blood and derived products, CSF, urine, secretions, clinical sample
			Microscopic examination including preparation	Blood and derived products, secretions, clinical sample, other biological fluids
		Research and identification of bacteria, mycobacteria, yeasts and fungi	Microscopic examination including preparation	Isolate
		Research and identification of toxins, enzymes, antibodies and bacterial antigens	Phenotypic determination: biochemical characterization	Isolate
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
	07.2 Microbiology – immunoserology	Research, identification and/or determination of the concentration of antibodies and/or antigens specific to infectious agents	Qualitative or quantitative agglutination	Blood and derived products
	07.3 Microbiology – mycobacteriology	Research and identification of mycobacteria	Mycobacterial culture	Blood and blood products, clinical sample
			Microscopic examination including preparation	Clinical sample
	07.4 Microbiology – mycology	Research and identification of fungi and yeast	Fungal culture	Clinical sample
			Microscopic examination including preparation	Clinical sample, isolate
			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	Blood and derived products, CSF
	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
Immunohistochemistry				Tissue/cell blocks (paraffin, others), cells
08.3 Pathology – cytology		Morphological observation of cellular constituents	Microscopic examination including preparation	Cells

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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