

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Département de médecine de laboratoire
du CHU de Québec – Université Laval
(site l'HÔPITAL DE L'ENFANT-JÉSUS)

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SCC File Number:	151154
Provider:	BNQ-EL
Provider File Number:	56444-1
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:	2020-09-30
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),
- 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
- 01.3 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

(*) 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
- 07.4 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	Osmolality measurement	Cryoscopic Osmometry	Blood and blood products, urine
		Research, identification and concentration determination of organic and inorganic molecules and enzyme activity	Chromatography	Blood and derived products
			Colorimetry	Urine
			Flow cytometry	Urine
			Electrochemistry	Blood and derived products, urine, stool, other biological fluids
			Electrophoresis	Blood and derived products, urine
			Electrophoresis - immunofixation	Blood and derived products, urine
			Microscopic examination including preparation	urine, stool, other biological fluids
			Fluorometry	Blood and derived products
			Isoelectric focusing	Blood and derived products, CSF
			Immunoassays	Blood and derived products
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, CSF
			Immunoassay - turbidimetry	Blood and derived products, urine, other biological fluids
	Enzymatic method	Blood and derived products, urine, other biological fluids		
	Reflectance	Urine		
	Turbidimetry	Blood and derived products, CSF, urine		
	Spectrophotometry	Blood and derived products, CSF, urine, stool, other biological fluids		
	01.2 Biochemistry – hormonal	Chromatography	Urine	
		Immunoassays	Blood and derived products, urine	
		Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products	
		Mass spectroscopy	Urine	
		Nephelometry	Blood and derived products, other biological fluids	
	01.3 Biochemistry – immunology		Atomic absorption	Blood and derived products

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
	01.4 Biochemistry – medication	Research, identification and/or determination of the concentration of xenobiotics / drugs.	Chromatography	Blood and derived products
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Immunoassay - turbidimetry	Blood and derived products
			Mass spectroscopy	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.	Chromatography	Blood and derived products
			Immunoassay - turbidimetry	Urine
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
			Immunoassay - turbidimetry	Urine
			Spectrophotometry	Blood and derived products
	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
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	Microscopic examination including preparation	Blood and blood products, CSF, other biological fluids
			Impedance measurement	Blood and blood products, CSF, other biological fluids
	05.3 Hematology – erythrocytic	Search for cellular abnormalities Research and determination of hemoglobin concentration	Precipitation	Blood and derived products
			Visual reading	Blood and derived products
	05.5 Hematology – hemostasis	Determination of hemostasis parameters	Electrophoresis	Blood and derived products
			Calculation Coagulometry	Blood and derived products Blood and derived products

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
			Immunoassay - turbidimetry	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	Immunoassay - turbidimetry	Blood and derived products
			Chromogenic method	Blood and derived products
			Turbidimetry	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
		Research and/or identification of anti-erythrocytic antibodies		Blood and derived products
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, clinical specimen, CSF, other biological fluids
			Phenotypic determination: biochemical characterization	Clinical specimen
			Microscopic examination including preparation	Blood and derived products, CSF, other biological fluids
		Research and identification of bacteria	Cell culture	Secretions
			Phenotypic determination by mass spectrometry	Isolate
			Microscopic examination including preparation	Isolate, clinical specimen, secretions

Discipline	Sub-discipline	Nature of the test	Analytical principle	Matrix (sample)
		Research and identification of toxins, enzymes, antibodies and bacterial antigens	Phenotypic determination: biochemical characterization	Isolate
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Feces
	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
			Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
	07.4 Microbiology – mycology	Research and identification of fungi and yeast	Fungal culture	Secretions
			Phenotypic determination by mass spectrometry	Isolate
		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
	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)	Urine, secretions
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
	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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