

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Département clinique de médecine de laboratoire du CIUSSS de l’Estrie – Centre hospitalier universitaire de Sherbrooke (CHUS) (site CSSS du Granit)

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SCC File Number:	151200
Provider:	BNQ-EL
Provider File Number:	56571-1
Accreditation Standard(s):	ISO 15189:2012 Medical laboratories – Requirements for quality and competence CAN/CSA-Z902-20 Blood and blood components
Program Specialty Area:	Medical
Initial Accreditation:	2021-12-20
Most Recent Accreditation:	2023-12-20
Accreditation Valid to:	2025-12-20

*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.

- Hôpital Fleurimont, 3001, 12th Avenue N., Sherbrooke (Québec) J1H 5N4 (CCN N°: 151195/BNQ N°: 56566-1)
- Hôtel-Dieu de Sherbrooke, 580, Bowen S. St., Sherbrooke (Québec) J1G 2E8 (CCN N°: 151196/BNQ N°: 56567-1)
- CSSS de Memphrémagog, 50, Saint-Patrice E. St., Magog (Québec) J1X 3X3 (CCN N°: 151197/BNQ N°: 56568-1)
- Hôpital, CLSC et Centre d'hébergement d'Asbestos, 475, 3rd Avenue, Val-des-Sources (Québec) J1T 3N4 (CCN N°: 151198/BNQ N°: 56569-1)
- CSSS de la MRC-de-Coaticook, 138, Jeanne-Mance St., Coaticook, (Québec) J1A 1W3 (CCN N°: 151199/BNQ N°: 56570-1)
- Hôpital de Granby, 205, Leclerc W. Blvd., Granby (Québec) J2G 1T7 (CCN N°: 151201/BNQ N°: 56572-1)
- Hôpital Brome-Missisquoi-Perkins, 950, Principale St., Cowansville (Québec) J2K 1K3 (CCN N°: 151202/BNQ N°: 56573-1)

SCOPE OF ACCREDITATION

01.0 BIOCHEMISTRY

- 01.1 BIOCHEMISTRY – CLINICAL
- 01.2 BIOCHEMISTRY – HORMONAL
- 01.4 BIOCHEMISTRY – MEDICATION
- 01.5 BIOCHEMISTRY – TOXICOLOGY

05.0 HEMATOLOGY

- 05.2 HEMATOLOGY – CYTOLOGY
- 05.5 HEMATOLOGY – HEMOSTASIS

06.0 TRANSFUSION MEDICINE

07.0 MICROBIOLOGY

- 07.1 MICROBIOLOGY – BACTERIOLOGY

SCOPE OF ACCREDITATION

08.0 ANATOMICAL PATHOLOGY

08.2 PATHOLOGY – FERTILITY

DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30013 - Uric Acid	Spectrophotometry	Blood and derived products, urine
		30016 - Alanine aminotransferase (ALT)	Spectrophotometry	Blood and derived products
		30017 - Albumin	Spectrophotometry	Blood and derived products
		30030 - Total amylase	Spectrophotometry	Blood and derived products
		30039 - Prostate-specific antigen (PSA) test	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30060 - Aspartate aminotransferase (AST)	Spectrophotometry	Blood and derived products
		30076 - Lactate acid (by specific electrode)	Electrochemistry	Blood and derived products
		30083 - Bilirubin Direct (conjugated)	Spectrophotometry	Blood and derived products
		30084 - Bilirubin total	Spectrophotometry	Blood and derived products
		30105 - Calcium total	Spectrophotometry	Blood and derived products, urine
		30106 - Calcium Ionized	Electrochemistry	Blood and derived products, urine
		30115 - Chloride	Electrochemistry	Blood and derived products, urine
		30116 - Cholesterol – HDL	Spectrophotometry	Blood and derived products
		30119 - Cholesterol total	Spectrophotometry	Blood and derived products
		30130 - CK total	Spectrophotometry	Blood and derived products
		30132 - Creatinine	Spectrophotometry	Blood and derived products, urine
30191 - Iron (serum)	Spectrophotometry	Blood and derived products		
30193 - Ferritin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products		

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		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-oximetry	Blood and derived products
			Electrochemistry	Blood and derived products
		30214 - Glucose	Spectrophotometry	Blood and derived products
		30301 - Lactate Dehydrogenase (LD)	Spectrophotometry	Blood and derived products
		30306 - Triglyceride lipase	Spectrophotometry	Blood and derived products
		30332 - Total magnesium	Spectrophotometry	Blood and derived products, urine
		30337 - Microalbumin (urine)	Immunoassay - turbidimetry	Blood and derived products, urine
		30362 - Osmolality	Cryoscopic Osmometry	Blood and derived products, urine
		30386 - Alkaline Phosphatase	Spectrophotometry	Blood and derived products
		30391 - Phosphate	Spectrophotometry	Blood and derived products, urine
		30398 - Potassium	Electrochemistry	Blood and derived products, urine
		30404 - Total protein (other fluids)	Spectrophotometry	Urine
		30405 - Total protein (serum)	Spectrophotometry	Blood and derived products
		30412 - C-reactive Protein (CRP) (including ultrasensitive)	Immunoassay - turbidimetry	Blood and derived products
		30478 - Sodium	Electrochemistry	Blood and derived products, urine
		30512 - Triglycerides	Spectrophotometry	Blood and derived products
		30513 - Troponin T or I	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30531 - Urea	Spectrophotometry	Blood and derived products, urine
		30532 - Urine (microscopic exam)	Microscopic examination including preparation	Urine
		30533 - Urine (summary examination)	Reflectance	Urine
		30553 - Vitamin B12	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)	
	01.2 Biochemistry – hormonal	30241 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (qualitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, 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 (Tylenol®, Tempra®)	Spectrophotometry	Blood and derived products	
		30640 - Digoxin (Lanoxin®)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products	
		30692 - Lithium (Li) (Carbolith®, Duralith®, Lithane®)	Spectrophotometry	Blood and derived products	
		30760 - Salicylates	Spectrophotometry	Blood and derived products	
	01.5 Biochemistry – toxicology	30177 - Ethanol (ethyl alcohol) enzymatic	Spectrophotometry	Blood and derived products	
		30851 - Street drugs / strip / drug	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine	
	05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Calculation	Blood and derived products
				Flow cytometry	Blood and derived products
				Spectrophotometry	Blood and derived products
Fluorescence				Blood and derived products	
Impedance measurement				Blood and derived products	
20362 - Differential formula (manual) (including staining)			Microscopic examination including preparation	Blood and derived products	
20363 - Evaluation of red blood cells and platelets (orientation smear) (including staining)				Blood and derived products	
20470 - Reticulocytes (automated)			Calculation	Blood and derived products	
	Flow cytometry	Blood and derived products			
20490 - Manual sedimentation	Precipitation	Blood and derived products			

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	05.5 Hematology – hemostasis	20062 - D-Dimer (automated)	Immunoassay - turbidimetry	Blood and derived products
		20102 - Fibrinogen (activity)	Coagulometry	Blood and derived products
		20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT)	Coagulometry	Blood and derived products
		20243 - Prothrombin time (INR) including fibrinogen derivative	Coagulometry	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10024 - Compatibility (manual or automated)	Immunological method of hemagglutination and derivative	Blood and derived products
		10027 - Direct Coombs polyspecific or monospecific (manual)		Blood and derived products
		10086 - ABO-Rh blood type (manual)		Blood and derived products
		10150 - Irregular antibodies (manual search)		Blood and derived products
		10730 - ABO and D pellet retyping		Blood and derived products
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	Microscopic examination including preparation	Clinical sample
08.0 ANATOMICAL PATHOLOGY	08.2 Pathology – fertility	60633 - Partial spermogram (post-vasectomy)	Microscopic examination including preparation	Semen

Notes

ISO 15189:2012: Medical laboratories — 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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Publication on: 2023-12-22