

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 Hôtel-Dieu de Sherbrooke)

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SCC File Number:	151196
Provider:	BNQ-EL
Provider File Number:	56567-1
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)
- 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)
- CSSS du Granit, 3569, Laval St., Lac-Mégantic (Québec) G6B 1A5 (CCN N°: 151200/BNQ N°: 56571-1)
- 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

02.0 MOLECULAR BIOLOGY

- 02.3 MOLECULAR DIAGNOSIS – INFECTIOUS DISEASES

05.0 HEMATOLOGY

- 05.2 HEMATOLOGY – CYTOLOGY
- 05.5 HEMATOLOGY – HEMOSTASIS

06.0 TRANSFUSION MEDICINE

07.0 MICROBIOLOGY

SCOPE OF ACCREDITATION

07.5 MICROBIOLOGY – PARASITOLOGY

08.0 ANATOMICAL PATHOLOGY

08.1 PATHOLOGY – CLINICAL

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	CSF, other biological fluids, blood and derived products, urine
		30016 - Alanine aminotransferase (ALT)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30017 - Albumin	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30029 - Ammoniac	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30030 - Total amylase	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30060 - Aspartate aminotransferase (AST)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30076 - Lactate acid (by specific electrode)	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30083 - Bilirubin Direct (conjugated)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30084 - Bilirubin total	Co-oximetry	Blood and derived products
		30084 - Bilirubin total	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30095 - NT-PRO-BNP (Brain Natriuretic Peptide)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30105 - Calcium total	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30106 - Calcium Ionized	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30115 - Chloride	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		#N/A	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30119 - Cholesterol total	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		30130 - CK total	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30132 - Creatinine	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30153 - Single refractometric density (excl. strips)	Refractometry	Biological fluid, urine
		30191 - Iron (serum)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30193 - Ferritin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30210 - Gamma glutamyl transferase (GGT)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, methHb, oxyHb, SulFHb)	Co-oximetry	Blood and derived products
		30212 - Blood Gas (pO ₂ , pCO ₂ , pH, HCO ₃ , COHb, methHb, oxyHb, SulFHb)	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30214 - Glucose	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30214 - Glucose	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30301 - Lactate Dehydrogenase (LD)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30306 - Triglyceride lipase	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30332 - Total magnesium	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30362 - Osmolality	Cryoscopic Osmometry	Biological fluid, blood and derived products, urine
		30383 - pH (biological fluid)	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30386 - Alkaline Phosphatase	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30391 - Phosphate	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30398 - Potassium	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30404 - Total protein (other fluids)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30405 - Total protein (serum)	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30412 - C-reactive Protein (CRP) (including ultrasensitive)	Immunoassay - turbidimetry	Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		30478 - Sodium	Electrochemistry	Biological fluid, blood and derived products, urine, CSF
		30511 - Transferrin	Immunoassay - turbidimetry	Blood and derived products
		30512 - Triglycerides	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30513 - Troponin T or I	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
		30531 - Urea	Spectrophotometry	CSF, other biological fluids, blood and derived products, urine
		30532 - Urine (microscopic exam)	Microscopic examination including preparation	Urine
		30533 - Urine (summary examination)	Reflectance	Urine
	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, urine
		30244 - Parathyroid hormone (PTH)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, urine
		30502 - T4L (free thyroxine)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, urine
		30516 - TSH (thyrotropic hormone)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, urine
	01.4 Biochemistry – medication	30600 - Acetaminophen (Tylenol®, Tempra®)	Spectrophotometry	Blood and derived products
		30601 - Valproic acid (Depakène®)	Spectrophotometry	Blood and derived products
		30630 - Carbamazepine (Tegretol®)	Immunoassay - turbidimetry	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
		30731 - Phenytoin (Dilantin®)	Immunoassay - turbidimetry	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
		30604 - Amphetamines (other than strip) (automated)	Immunoassay - turbidimetry	Urine
30621 - Benzodiazepines (other than strip) (automated)		Immunoassay - turbidimetry	Urine	

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		30831 - Cannabinoids (THC) (other than strip) (automated)	Immunoassay - turbidimetry	Urine
		30834 - Cocaine (other than strip) (automated)	Immunoassay - turbidimetry	Urine
		30890 - Opiates (other than screening) (automated)	Immunoassay - turbidimetry	Urine
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45031 - Coronavirus (SARS-CoV-2); detection (NAAT) (certified kit) on clinical specimen	Detection of nucleic acids	DNA or RNA from clinical sample
		45053 - Coronavirus (SARS-CoV-2 and Influenza A and B); detection (NAAT) (multiplex) (certified kit) on clinical sample	Detection of nucleic acids	DNA or RNA from clinical sample
05.0 HEMATOLOGY	05.2 Hematology – cytology	20321 - Fluid cytology with cytopsin	Microscopic examination including preparation	Blood and derived products, biological fluids
		20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.	Calculation	Blood and derived products, biological fluids
			Flow cytometry	Blood and derived products, biological fluids
			Spectrophotometry	Blood and derived products, biological fluids
			Fluorescence	Blood and derived products, biological fluids
			Impedance measurement	Blood and derived products, biological fluids
		20362 - Differential formula (manual) (including staining)	Microscopic examination including preparation	Blood and derived products, biological fluids, CSF
		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	
	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	10000 - Cold agglutinins (screening) (qualitative) including autocontrols	Immunological method of hemagglutination and derivative	Blood and derived products
		10002 - Cold agglutinins (titration) (quantitative) (autocontrols included)		Blood and derived products
		10007 - Irregular antibodies (manual identification)		Blood and derived products

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		10024 - Compatibility (manual or automated)		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
		10130 - Patient phenotype (per antigen) (including controls) (manual)		Blood and derived products
		10131 - Product phenotype (by antigen) (excluding ABO, D and including controls)		Blood and derived products
		10150 - Irregular antibodies (manual search)		Blood and derived products
		10730 - ABO and D pellet retyping	Immunological method of hemagglutination and derivative	Blood and derived products
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41120 - Malaria (rapid Ag detection) (immunochromatography)	Immunochromatography	Blood and derived products
		41121 - Malaria (smear + thick drop) (preparation and staining)	Microscopic examination including preparation	Blood and derived products
		41122 - Malaria (reading and identification, including % parasitaemia)	Microscopic examination including preparation	Blood and derived products
		41140 - Oxyures (search for) (by tape)	Microscopic examination including preparation	Clinical sample
		41150 - Parasites in blood, tissues and body fluids (detection) (except malaria, Trichomonas)	Microscopic examination including preparation	Urine, biological fluids
		41152 - Faecal parasites (by permanent staining except iodine staining and/or fresh state)	Microscopic examination including preparation	Feces
		41153 - Faecal parasites (by concentration, fresh and/or iodine staining including reading)	Microscopic examination including preparation	Feces
		41180 - Ectoparasites and worms (identification)	Microscopic examination including preparation	Clinical sample
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	60100 - Cassette setting with or without assistance to pathologist, resident or assistant pathologist	Microscopic and/or macroscopic examination including preparation	Fresh tissue
		60122 - Macroscopic description of complex surgical specimens by a medical technologist (cassetting not included)		

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		60124 - Macroscopic description of non-complex surgical specimens by a medical technologist (cassette setting not included)		
		60128-Macroscopic description of highly complex surgical specimens by a medical technologist (cassette setting not included)		
		60141 - Extemporaneous examination (including staining)		
		60611 - Macroscopic description without production of slide, block or cassette		

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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