

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Département clinique de médecine de

laboratoire du Centre hospitalier de l'Université de Montréal (CHUM) (Site

Hôpital de Verdun)

Contact name: Bruno Lamontagne, Clinico-administrative

Director

Address: 4000, Lasalle Blvd., Montréal (Québec),

H4G 2A3

Telephone: 514 890-8000

Website: https://www.chumontreal.qc.ca/joindre-le-chum

Email: <u>bruno.lamontagne.chum@ssss.gouv.qc.ca</u>

SCC File Number:	151132
Provider:	BNQ-EL
Provider File Number:	56661-1
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:	2021-03-25
Most Recent Accreditation:	2024-08-18
Accreditation Valid to:	2029-03-25

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 de Montréal, 1051, Sanguinet St., Montréal (Québec) H2X 3E4 (CCN no.: 151126 / BNQ no.: 56655-1)
- Hôpital Maisonneuve-Rosemont, 5415, de l'Assomption Blvd., Montréal (Québec) H1T 2M4 (CCN no.: 151128 / BNQ no.: 56657-1)
- Hôpital Santa Cabrini, 5655, Saint-Zotique E. St., Montréal (Québec) H1T 1P7 (CCN no.: 151129 / BNQ no.: 56658-1)
- Hôpital Notre-Dame, 1560, Sherbrooke E. St., Montréal (Québec) H2L 4M1 (CCN no.: 151133 / BNQ no.: 56662-1)
- Hôpital du Sacré-Cœur de Montréal, 5400, Gouin W. Blvd., Montréal (Québec) H4J 1C5 (CCN no.: 151134 / BNQ no.: 56663-1)
- Hôpital Fleury, 2180, Fleury E. St., Montréal (Québec) H2B 1K3 (CCN no.: 151135 / BNQ no.: 56664-1)
- Hôpital Jean-Talon, 1385, Jean-Talon E. St., Montréal (Québec) H2E 1S6 (CCN no.: 151136 / BNQ no.: 56665-1)
- Institut de cardiologie de Montréal, 5000, Bélanger t., Montréal (Québec) H1T 1C8 (CCN no.: 151138 / BNQ no.: 56667-1)

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

05.0 HEMATOLOGY

05.1	HEMATOLOGY — CYTOCHEMISTRY
05.2	HEMATOLOGY - CYTOLOGY
05.3	HEMATOLOGY – ERYTHROCYTIC
05.5	HEMATOLOGY - HEMOSTASIS
05.7	HEMATOLOGY - IMMUNOLOGY



SCOPE OF ACCREDITATION

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 – CLINICAL08.2 PATHOLOGY – FERTILITY

DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30005 - Beta-hydroxybutyrate (whole blood)	Enzymatic method	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30009 - Folic acid (folates)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30013 - Uric Acid	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30016 - Alanine aminotransferase (ALT)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30017 - Albumin	Spectrophotometry	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30022 - Alpha-fetoprotein (AFP)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30029 - Ammoniac	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30038 - Carcinoembryonic antigen (CEA)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30039 - Prostate-specific antigen (PSA) test	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30054 - Apolipoprotein B	Immunoassay - turbidimetry	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30060 - Aspartate aminotransferase (AST)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30076 - Lactate acid (by specific electrode)	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30078 - Procalcitonin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30079 - Urine (microscopic examination) (automated)	Automated imaging microscopy	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30083 - Bilirubin Direct (conjugated)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30084 - Bilirubin total	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30085 - BNP (Brain Natriuretic Peptide)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30100 - CA 125	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30105 - Calcium total	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30106 - Calcium Ionized	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30115 - Chloride	Electrochemistry	Blood and by-products, urine, CSF
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30116 - Cholesterol - HDL	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30119 - Cholesterol total	Spectrophotometry	Blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30124 - Total CO2 or bicarbonate (dosage only)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30130 - CK total	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30132 - Creatinine	Enzymatic method	Urine, blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30133 - Crystals (synovial fluid)	Microscopic examination including preparation	Other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30173 - Protein electrophoresis (serum)	Electrophoresis	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30174 - Protein electrophoresis (urine)	Electrophoresis	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30191 - Iron (serum)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30193 - Ferritin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30210 - Gamma glutamyl transferase (GGT)	Spectrophotometry	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30212 - Blood Gas (pO2,	Electrochemistry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	pCO2, pH, HCO3, COHb,	Co-oximetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	metHb, oxyHb, SulfHb)	Calculation	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30214 - Glucose	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products, urine, CSF, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30248 - Glycated hemoglobin (HbA1c)	Chromatography	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30268 - Serum protein immunofixation	Electrophoresis	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30269 - Urine protein immunofixation	Electrophoresis	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30273 - Immunoglobulin IgA	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30277 - Immunoglobulin IgG	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30279 - Immunoglobulin IgM	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30301 - Lactate Dehydrogenase (LD)	Spectrophotometry	Blood and derived products, other biological fluids, CSF
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30306 - Triglyceride lipase	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30330 - Macro-enzyme or Macro prolactin (research) (precipitation)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30332 - Total magnesium	Spectrophotometry	Blood and derived products, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30337 - Microalbumin (urine)	Immunoassay - turbidimetry	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30340 - Myoglobin (urine)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30362 - Osmolality	Cryoscopic Osmometry	Blood and derived products, feces, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30383 - pH (biological fluid)	Electrochemistry	Other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30386 - Alkaline Phosphatase	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30391 - Phosphate	Spectrophotometry	Feces, other biological fluids, urine, blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30398 - Potassium	Electrochemistry	Blood and derived products, urine, feces, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30399 - Prealbumin	Immunoassay - turbidimetry	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30404 - Total protein (other fluids)	Spectrophotometry	Other biological fluids, urine, CSF
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30405 - Total protein (serum)	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30412 - C-reactive Protein (CRP) (including ultrasensitive)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30471 - Occult Blood Stool (qualitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Feces
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30478 - Sodium	Electrochemistry	Blood and derived products, feces, other biological fluids, urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30511 - Transferrin	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30512 - Triglycerides	Spectrophotometry	Blood and derived products, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30513 - Troponin T or I	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30531 - Urea	Enzymatic method	Blood and derived products, urine, other biological fluids
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30532 - Urine (microscopic exam)	Microscopic examination including preparation	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30533 - Urine (summary examination)	Reflectance	Urine
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30553 - Vitamin B12	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	30556 - Vitamin D 25 OH	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30128 - Serum or urine cortisol without extraction	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30151 - Dehydroepiandrosterone sulfate (DHEA-S)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30240 - Follicle-stimulating hormone (FSH)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30241 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (qualitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30242 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (quantitative)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30243 - Luteinizing Hormone (LH)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30244 - Parathyroid hormone (PTH)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30360 - Estradiol-17B	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30400 - Progesterone	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30402 - Prolactin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30477 - Sex hormone binding globulin (SHBG)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30500 - T3 total (total triiodothyronine) or free	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30502 - T4L (free thyroxine)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30506 - Testosterone total	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.2 Biochemistry – hormonal	30516 - TSH (thyrotropic hormone)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.3 Biochemistry – immunology	30040 - Anti-gliadins (IgA)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.3 Biochemistry – immunology	30048 - Anti-thyroperoxidase (anti-TPO)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.3 Biochemistry – immunology	30049 - Anti-transglutaminase	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.3 Biochemistry – immunology	40800 - RA (rheumatoid factor)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30600 - Acetaminophen	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30601 - Valproic acid	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30630 - Carbamazepine	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30640 - Digoxin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30671 - Gentamicin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30692 - Lithium (Li)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30731 - Phenytoin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30760 - Salicylates	Spectrophotometry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30773 - Tobramycin (Nebcin®, Tobrex®)	Immunoassay - turbidimetry	Blood and derived products
01.0 BIOCHEMISTRY	01.4 Biochemistry – medication	30780 - Vancomycin	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
01.0 BIOCHEMISTRY	01.5 Biochemistry – toxicology	30177 - Ethanol (ethyl alcohol)	Enzymatic method	Blood and derived products
01.0 BIOCHEMISTRY	01.5 Biochemistry – toxicology	30851 - Street drugs / strip / drug	Immunoassay - fluorescence	Urine
01.0 BIOCHEMISTRY	РОСТ	Capillary glucose determination	NA	Blood and derived products
01.0 BIOCHEMISTRY	POCT	Hemoglobin determination	NA	Blood and derived products
01.0 BIOCHEMISTRY	POCT	Tear pH measurement	NA	Other biological fluids
01.0 BIOCHEMISTRY	POCT	Vaginal secretions analysis	NA	Secretions
01.0 BIOCHEMISTRY	РОСТ	Detection of chorionic gonadotropin hormone (HCG)	NA	Urine
01.0 BIOCHEMISTRY	РОСТ	Summary examination (urine) (automated reading)	NA	Urine
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45018 - Chlamydia trachomatis and Neisseria gonorrhoeae (NAAT) on urine specimen	Detection of nucleic acids	Urine
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45020 - Chlamydia trachomatis and Neisseria gonorrhoeae (NAAT) on extra- genital specimen	Detection of nucleic acids	Clinical sample
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45022 - Chlamydia trachomatis and Neisseria gonorrhoeae (NAAT) on genital specimen	Detection of nucleic acids	Clinical sample





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45026 - Clostridium difficile (toxin B gene) (NAAT) on clinical specimen	Detection of nucleic acids	Feces
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	Clinical sample
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45033 - Coronavirus (SARS- CoV-2); detection (NAAT) (rapid test, certified kit) on clinical sample	Detection of nucleic acids	Clinical sample
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45035 - Vancomycin-resistant Enterococcus (VRE); (NAAT) (uncertified kit or laboratory- developed test) on clinical specimen	Detection of nucleic acids	Clinical sample
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45048 - influenza A and B (NAAT) (certified kit) on clinical specimen	Detection of nucleic acids	Clinical sample
02.0 MOLECULAR BIOLOGY	02.3 Molecular diagnosis – infectious diseases	45053 - Coronavirus (SARS- CoV-2) and Influenza A and B detection (NAAT) (multiplex) (certified kit) on clinical sample	Detection of nucleic acids	Clinical sample
05.0 HEMATOLOGY	05.1 Hematology – cytochemistry	20852 - Medullary iron (Prussian blue)	Microscopic examination including preparation	Marrow
05.0 HEMATOLOGY	05.1 Hematology – cytochemistry	20983 - Bone marrow (staining)	Microscopic examination including preparation	Marrow
05.0 HEMATOLOGY	05.2 Hematology – cytology	20320 - Liquid cytology (manual)	Microscopic examination including preparation	Other biological fluids
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT- Plat.	Flow cytometry	Blood and derived products, other biological fluids
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT- Plat.	Impedance measurement	Blood and derived products, other biological fluids
05.0 HEMATOLOGY	05.2 Hematology – cytology	20361 - Complete blood count (CBC) or automated Hgb-HCT- Plat.	Calculation	Blood and derived products, other biological fluids
05.0 HEMATOLOGY	05.2 Hematology – cytology	20362 - Differential formula (manual) (including staining)	Microscopic examination including preparation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20362 - Differential formula (manual) (including staining)	Microscopic examination including preparation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20363 - Evaluation of red blood cells and platelets (orientation smear) (including staining)	Microscopic examination including preparation	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
05.0 HEMATOLOGY	05.2 Hematology – cytology	20364 - Complete blood count (CBC) or Hb-Ht-Plaq. Micro- method (automated)	Flow cytometry	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20364 - Complete blood count (CBC) or Hb-Ht-Plaq. Micro- method (automated)	Impedance measurement	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20364 - Complete blood count (CBC) or Hb-Ht-Plaq. Micro- method (automated)	Calculation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Impedance measurement	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Flow cytometry	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20470 - Reticulocytes (automated)	Calculation	Blood and derived products
05.0 HEMATOLOGY	05.2 Hematology – cytology	20490 - Manual sedimentation	Precipitation	Blood and derived products
05.0 HEMATOLOGY	05.3 Hematology – erythrocytic	20360 - Falciformation (test for) Thiosulfate	Visual reading	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20014 - Antithrombin (activity)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20062 - D-Dimer (automated)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20080 - Coagulation factor (II, V, VII, VIII, IX, X, XI and XII) (activity)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20102 - Fibrinogen (activity)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20196 - Protein C (activity)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20199 - Free protein S (antigen)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20240 - Activated partial thromboplastin time (APTT) or trombin time (TT) or prothrombin time (PT) (INR) on 50/50 mixture	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20243 - Prothrombin time (INR) including fibrinogen derivative	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20245 - In vitro bleeding time (per agent) (PFA-100)	Aggregometry	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20247 - Diluted Stypven time (DRVVT or Russell time) (including confirmation).	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.5 Hematology – hemostasis	20248 - Thrombin time (TT)	Photometry	Blood and derived products
05.0 HEMATOLOGY	05.7 Hematology – immunology	20776 - Complement C3 (antigen)	Turbidimetry	Blood and derived products
05.0 HEMATOLOGY	05.7 Hematology – immunology	20777 - Complement C4 (antigen)	Turbidimetry	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
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10002 - Cold agglutinins (titration) (quantitative) (autocontrols included)	Agglutination	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10007 - Irregular antibodies (manual identification)	Immunological method of hemagglutination and derivative	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
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10032 - Multispecific or monospecific direct Coombs (Tube technique)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10060 - Elution (including identification on eluate)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10085 - ABO-Rh blood group (automated)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10086 - ABO-Rh blood type (manual)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10111 - Irregular antibodies (automated identification)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10136 - Common erythrocyte phenotype (patient or product / by antigen / excluding ABO, D / including controls) (manual)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10150 - Irregular antibodies (manual search)	Immunological method of hemagglutination and derivative	Blood and derived products
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10153 - Irregular antibodies (automated search)	Immunological method of hemagglutination and derivative	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
06.0 TRANSFUSION MEDICINE	06.0 Transfusion medicine	10170 - Antibody titration (per antibody) (including titration on previous serum)	Immunological method of hemagglutination and derivative	Blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40020 - Multi-resistant gram- negative bacteria (bêta- lactamase-ESBL, carbapenemase) (screening)	Bacterial culture	Clinical sample, feces
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40026 - Bronchoscopy (semi- quantitative culture)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40047 - Minimum inhibitory concentration (MIC) microplate/automated card (per bacterium)	Phenotypic determination: sensitivity tests	Isolate
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40048 - Minimum inhibitory concentration (MIC) (strip) (per antibiotic and per bacterium)	Phenotypic determination: sensitivity tests	Isolate
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40049 - Catheter (semi- quantitative culture)	Bacterial culture	Clinical sample
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40063 - Vancomycin-resistant Enterococcus (VRE) (specific culture) (chromogenic agar screening)	Bacterial culture	Clinical sample, feces
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40063 - Vancomycin-resistant Enterococcus (VRE) (specific culture) (chromogenic agar screening)	Chromogenic method	Clinical sample, feces
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40065 - Expectorations (bacteriology) (includes specimen rejected after Gram)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40065 - Expectorations (bacteriology) (includes specimen rejected after Gram)	Microscopic examination including preparation	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40080 - Throat (Strepto A, C, G or beta-hemolytic)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40101 - Blood culture (1 bottle: aerobic or anaerobic)	Bacterial culture	Blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40102 - Blood culture (2 bottles: aerobic + anaerobic)	Bacterial culture	Blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40125 - Identification of a micro-organism to genus or species (API galleries)	Phenotypic determination: biochemical characterization	Isolate
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40126 - Identification of a micro-organism to genus or species (identification cards on automated systems such	Phenotypic determination: biochemical characterization	Isolate



Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
		as VITEK®, Phoenix® or MicroScan®)		
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40127 - All orientation tests prior to identification of a micro-organism	Phenotypic determination: biochemical characterization	Isolate
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40130 - Gram staining (on colony)	Microscopic examination including preparation	Other biological fluids, clinical sample, isolate, CSF, blood and derived products
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40140 - Kirby Bauer (per bacterium) (diffusion antibiogram)	Phenotypic determination: sensitivity tests	Isolate
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40160 - Legionella (urinary antigen)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Urine
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40164 - Cerebrospinal fluid (CSF) (culture)	Bacterial culture	CSF
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40165 - Biological fluid (other than CSF) (culture)	Bacterial culture	Other biological fluids
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40200 - Neisseria gonorrhoeae (culture) (all sites)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40201- Staphylococcus aureus (nose) (culture) (except MRSA)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40220 - Ear or external auditory canal (culture)	Bacterial culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40242 - Deep pus (with search for anaerobes, including actinomycess)	Bacterial culture	Clinical sample
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40243 - Superficial pus (without anaerobes)	Bacterial culture	Clinical sample
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40260 - Conjunctival secretions (culture)	Bacterial culture	Clinical sample
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40261 - Tracheobronchial secretions (culture)	Bacterial culture	Secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40262- Vaginal secretions (culture, fresh, KOH)	Microscopic examination including preparation	Secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40262- Vaginal secretions (culture, fresh, KOH)	Bacterial culture	Secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40263 - Feces (culture)	Bacterial culture	Feces
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40266 - Methicillin-resistant Staphylococcus aureus (MRSA) (specific culture) (chromogenic agar screening)	Bacterial culture	Clinical sample, secretions





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40269 - Group B Streptococcus recto-vaginal culture	Bacterial culture	Clinical sample
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40280 - Vaginal secretions (Gram direct for vaginosis)	Microscopic examination including preparation	Secretions
07.0 MICROBIOLOGY	07.1 Microbiology – bacteriology	40310 - Urine (all sampling methods)	Bacterial culture	Urine
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20670 - Hepatitis A (HAV) specific IgM	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20671 - Hepatitis A (HAV) IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20672 - Hepatitis B (surface antigen antibodies) (anti-HBs) IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20673 - Hepatitis B (anti-HBc) IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20675 - Hepatitis B (anti-HBe) IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20676 - Hepatitis B (surface antigen) (HbsAg)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20677 - Hepatitis B (HbeAg) (antigen)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	20678 - Hepatitis C (anti-HCV) IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40690 - Helicobacter pylori IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40740 - Mononucleosis heterophilic antibody (agglutination)	Qualitative or quantitative agglutination	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40794 - Rubella IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40814 - Syphilis non- treponemal antigen (RPR) IgG or total antibodies	Qualitative or quantitative agglutination	Blood and derived products
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40815 - Syphilis treponemal antigen IgG or total antibodies	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
07.0 MICROBIOLOGY	07.2 Microbiology – immunoserology	40850 - HIV IgG or total antibodies and Ag p24	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41050 - Yeast (specific culture)	Fungal culture	Clinical sample, secretions
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41050 - Yeast (specific culture)	Microscopic examination including preparation	Clinical sample, secretions
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41070 - Mycology (direct examination on clinical specimen) (including fresh, KOH, calcofluor)	Fungal culture	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41070 - Mycology (direct examination on clinical specimen) (including fresh, KOH, calcofluor)	Microscopic examination including preparation	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41071 - Deep mycosis (including yeasts)	Fungal culture	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41071 - Deep mycosis (including yeasts)	Microscopic examination including preparation	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41072 - Superficial mycosis (dermatophyte) (including yeasts)	Fungal culture	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41072 - Superficial mycosis (dermatophyte) (including yeasts)	Microscopic examination including preparation	Clinical sample
07.0 MICROBIOLOGY	07.4 Microbiology – mycology	41073 - Minimum inhibitory concentration (MIC) (automated microplate) by yeast	Phenotypic determination: sensitivity tests	Isolate
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41120 - Malaria (rapid Ag detection) (immunochromatography)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Blood and derived products
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41121 - Malaria (smear + thick drop) (preparation and staining)	Microscopic examination including preparation	Blood and derived products
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41122 - Malaria (reading and identification, including % parasitaemia)	Microscopic examination including preparation	Blood and derived products
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41140 - Oxyures (search for) (by tape)	Microscopic examination including preparation	Clinical sample
07.0 MICROBIOLOGY	07.5 Microbiology – parasitology	41171 - Trichomonas vaginalis (ag detection)	Enzyme immunoassays (chemiluminescence, EIA and derivatives)	Clinical sample
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	60050 - Special staining	Microscopic examination including preparation	Tissue/cell blocks (paraffin, others), fresh tissue





Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	60141 - Extemporaneous examination (including staining)	Microscopic examination including preparation	Fresh tissue
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	60151 - Immunohisto/cytochemistry (immunohistochemistry) (including controls)	Immunohistochemistry	Tissue/cell blocks (paraffin, others)
08.0 ANATOMICAL PATHOLOGY	08.1 Pathology – clinical	60200 - Routine staining, paraffin-embedded tissue	Microscopic examination including preparation	Tissue/cell blocks (paraffin, others)
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

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



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Elias Rafoul Vice President, Accreditation Services Publication on: 2024-08-19