



DIAGNOSTIC ACCREDITATION PROGRAM

College of Physicians and Surgeons of BC

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Laboratory Medicine – Scope of Accreditation

Facility name	LifeLabs - Victoria Reference Laboratory
Facility address	3201-4464 Markham Street, Victoria BC V8Z 7X8
Facility code	3806LM
Corporate entity/health authority	LifeLabs

Accreditation	Full Accreditation
Effective date	2017-02-14
Expiry date	2022-04-21
Laboratory Standard	Version 1.3

Services The College of Physicians and Surgeons of BC Diagnostic Accreditation Program accredits the capability of the named facility to perform the listed services and examinations/procedures.

DAP Scope Classification	Examination (Analyte/Procedure)	Examination – Other (Analyte/Procedure) (Specify)	Methodology/principle	Methodology/principle – Other (Specify)	Sample Type	Sample Type – Other (Specify)
Sample Collection	Sample Processing		Receipt, accessioning, storage, transportation		Blood, fluids, stool, tissues, swabs, foreign bodies	
Chemistry	1,25-diOH Vitamin D		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	25-OH Vitamin D		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Alanine Aminotransferase (ALT)		Colorimetric		Blood - Serum	
Chemistry	Albumin		Colorimetric		Blood - Serum	
Chemistry	Albumin		Colorimetric		Urine	
Chemistry	Aldosterone		Immunoassay		Blood - Plasma	
Chemistry	Aldosterone		Immunoassay		Urine	
Chemistry	Alkaline phosphatase		Colorimetric		Blood - Serum	
Chemistry	Alpha 1-antitrypsin		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Amylase		Colorimetric		Blood - Serum	
Chemistry	Amylase		Colorimetric		Urine	
Chemistry	Angiotension converting enzyme (ACE)		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Apolipoprotein A1		Turbidimetry		Blood - Serum	
Chemistry	Apolipoprotein B		Turbidimetry		Blood - Serum	
Chemistry	Arsenic		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Venous whole blood	
Chemistry	Arsenic		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	

Chemistry	Aspartate Aminotransferase (AST)		Colorimetric		Blood - Serum	
Chemistry	Beta-hydroxybutyrate (BHB)		Colorimetric		Blood - Serum	
Chemistry	Bilirubin, direct		Colorimetric		Blood - Serum	
Chemistry	Bilirubin, total		Colorimetric		Blood - Serum	
Chemistry	BNP / NT-proBNP		Immunoassay, electrochemiluminescence		Blood - Plasma	
Chemistry	C3 Complement		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	C4 Complement		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Calcium, ionized		Electrochemistry		Blood - Serum	
Chemistry	Calcium, total		Colorimetric		Blood - Serum	
Chemistry	Calcium, total		Colorimetric		Urine	
Chemistry	Carbamazepine		Immunoassay		Blood - Serum	
Chemistry	Ceruloplasmin		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Chloride		Ion Selective Electrode		Blood - Serum	
Chemistry	Chloride		Ion Selective Electrode		Urine	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Serum	
Chemistry	Cholesterol, LDL		Other, specify	Calculated	Blood - Serum	
Chemistry	Cholesterol, total		Colorimetric		Blood - Serum	
Chemistry	Citrate		Colorimetric		Urine	
Chemistry	CO2, total		Colorimetric		Blood - Serum	
Chemistry	Copper		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Serum	
Chemistry	Copper		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Chemistry	Cortisol		Immunoassay		Blood - Serum	
Chemistry	C-reactive protein (CRP)		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Creatine kinase (CK)		Colorimetric		Blood - Serum	
Chemistry	Creatinine		Colorimetric		Blood - Serum	
Chemistry	Creatinine		Colorimetric		Urine	
Chemistry	Digoxin		Immunoassay		Blood - Serum	
Chemistry	Estradiol		Immunoassay		Blood - Serum	
Chemistry	Ferritin		Immunoassay		Blood - Serum	
Chemistry	Follicle-stimulating hormone (FSH)		Immunoassay		Blood - Serum	
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Blood - Serum	

Chemistry	Glucose		Colorimetric		Blood - Serum	
Chemistry	Glucose		Colorimetric		Urine	
Chemistry	Haptoglobin		Immunoturbidometry		Blood - Serum	
Chemistry	Hemoglobin A1c		Immunoturbidometry		Blood - Venous whole blood	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	IgE, allergen specific		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	IgG		Immunoturbidometry		Blood - Serum	
Chemistry	IgM		Immunoturbidometry		Blood - Serum	
Chemistry	Iron, total		Colorimetric		Blood - Serum	
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Blood - Serum	
Chemistry	Lead		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Venous whole blood	
Chemistry	Lead		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Chemistry	IgA		Immunoturbidometry		Blood - Serum	
Chemistry	IgE, total		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Lipase		Colorimetric		Blood - Serum	
Chemistry	Lipoprotein (a)		Immunoturbidometry		Blood - Serum	
Chemistry	Lithium		Colorimetric		Blood - Serum	
Chemistry	Luteinizing hormone (LH)		Immunoassay		Blood - Serum	
Chemistry	Magnesium		Colorimetric		Blood - Serum	
Chemistry	Magnesium		Colorimetric		Urine	
Chemistry	Mercury		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Venous whole blood	
Chemistry	Mercury		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Chemistry	Osmolality		Other, specify	Freezing Point	Blood - Serum	
Chemistry	Osmolality		Other, specify	Freezing Point	Urine	
Chemistry	Other, specify	Fecal Calprotectin	Immunoassay		Stool	
Chemistry	Other, specify	Cadmium	ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Venous whole blood	
Chemistry	Other, specify	Cadmium	ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Chemistry	Other, specify	Thallium	ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Chemistry	Other, specify	Breath Hydrogen Test	Other, specify	Solid State Sensor	Breath	

Chemistry	Oxalate		Colorimetric		Urine	
Chemistry	Parathyroid hormone (PTH)		Immunoassay,		Blood - Serum	
Chemistry	Phenytoin		Immunoassay		Blood - Serum	
Chemistry	Phosphorus		Colorimetric		Blood - Serum	
Chemistry	Phosphorus		Colorimetric		Urine	
Chemistry	Potassium		Ion Selective Electrode		Blood - Serum	
Chemistry	Potassium		Ion Selective Electrode		Urine	
Chemistry	Progesterone		Immunoassay		Blood - Serum	
Chemistry	Prolactin		Immunoassay		Blood - Serum	
Chemistry	Prostate specific antigen (PSA), total		Immunoassay		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Urine	
Chemistry	Renin		Immunoassay		Blood - Serum	
Chemistry	Rheumatoid factor (RF)		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Selenium		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Serum	
Chemistry	Sex hormone binding globulin (SHBG)		Immunoassay		Blood - Serum	
Chemistry	Sodium		Ion Selective Electrode		Blood - Serum	
Chemistry	Sodium		Ion Selective Electrode		Urine	
Chemistry	T3, free		Immunoassay		Blood - Serum	
Chemistry	T4, free		Immunoassay		Blood - Serum	
Chemistry	Testosterone		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay		Blood - Serum	
Chemistry	Transferrin		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Triglycerides		Colorimetric		Blood - Serum	
Chemistry	Troponin T		Immunoassay, electrochemiluminescence		Blood - Serum	
Chemistry	Urea		Colorimetric		Blood - Serum	
Chemistry	Urea		Colorimetric		Urine	
Chemistry	Uric acid		Colorimetric		Blood - Serum	
Chemistry	Uric acid		Colorimetric		Urine	
Chemistry	Urinalysis, Macroscopic		Dipstick		Urine	
Chemistry	Urinalysis, macroscopic		Other, specify	Reflectance Photometry	Urine	

Chemistry	Urinalysis, Microscopic		Other, specify	Digital Image	Urine	
Chemistry	Urinalysis, Microscopic		Microscopy - Phase contrast		Urine	
Chemistry	Valproic acid		Immunoassay		Blood - Serum	
Chemistry	Viscosity		Other, specify	Relative Index	Blood - Serum	
Chemistry	Vitamin B12		Immunoassay		Blood - Serum	
Chemistry	Zinc		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Blood - Serum	
Chemistry	Zinc		ICP-MS (Inductively coupled plasma - Mass Spectrometry)		Urine	
Hematology	Activated partial thromboplastin time (aPTT)		Turbidimetric		Blood - Plasma	
Hematology	Anti-thrombin activity/ antigen		Chromogenic Substrate		Blood - Plasma	
Hematology	Blood parasite identification		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Synovial	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Blood - Venous whole blood	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC,		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Other, specify	Nasal smear
Hematology	Erythrocyte sedimentation rate (ESR)		Photometric		Blood - Venous whole blood	
Hematology	Fibrinogen		Turbidimetric		Blood - Plasma	
Hematology	Infectious mononucleosis		Latex agglutination		Blood - Serum	
Hematology	International normalized ratio (INR)		Other, specify	Calculated	Blood - Plasma	
Hematology	Lupus anticoagulant (e.g. dRVVT or other phospholipid assay)		Turbidimetric		Blood - Plasma	
Hematology	Other, specify	Immature platelet fraction	Flow Cytometry		Blood - Venous whole blood	
Hematology	Other, specify	Immature reticulocyte fraction	Flow Cytometry		Blood - Venous whole blood	
Hematology	Other, specify	Reticulocyte Hemoglobin	Flow Cytometry		Blood - Venous whole blood	
Hematology	Other, specify	Fluid Crystals	Microscopy - Polarization		Fluid - Synovial	
Hematology	Protein C activity		Chromogenic Substrate		Blood - Plasma	
Hematology	Protein S activity		Chromogenic Substrate		Blood - Plasma	
Hematology	PT mixing studies		Turbidimetric		Blood - Plasma	
Hematology	PTT mixing studies		Turbidimetric		Blood - Plasma	
Hematology	Reticulocyte count, automated		Flow Cytometry		Blood - Venous whole blood	
Hematology	Semen analysis, Complete - Count, Morphology, Motility		Microscopy - Phase contrast		Semen	

Hematology	Semen analysis, Complete - Count, Morphology, Motility		Manual		Semen	
Hematology	Semen analysis, Complete - Count, Morphology, Motility		Photometric		Semen	
Hematology	Semen analysis, Post Vasectomy - presence/absence		Microscopy - Phase contrast		Semen	
Hematology	Semen analysis, viability		Special stains - Hematology		Semen	
Hematology	WBC differential – manual		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Swab	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Swab	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Urine	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Urine	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Sputum	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Sputum	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Stool	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Stool	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Fluid - Synovial	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Fluid - Synovial	
Microbiology	Antimicrobial susceptibility testing		Automated Antimicrobial Susceptibility Testing		Blood - Venous whole blood	
Microbiology	Antimicrobial susceptibility testing		Manual Antimicrobial Susceptibility Testing		Blood - Venous whole blood	
Microbiology	Bacterial identification		Manual Microorganism ID		Swab	
Microbiology	Bacterial identification		Automated Microorganism ID		Swab	
Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Swab	
Microbiology	Bacterial identification		Automated Microorganism ID		Urine	
Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Urine	
Microbiology	Bacterial identification		Manual Microorganism ID		Urine	
Microbiology	Bacterial identification		Automated Microorganism ID		Fluid - Synovial	
Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Fluid - Synovial	
Microbiology	Bacterial identification		Manual Microorganism ID		Fluid - Synovial	
Microbiology	Bacterial identification		Automated Microorganism ID		Sputum	
Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Sputum	
Microbiology	Bacterial identification		Manual Microorganism ID		Sputum	
Microbiology	Bacterial identification		Automated Microorganism ID		Stool	

Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Stool	
Microbiology	Bacterial identification		Manual Microorganism ID		Stool	
Microbiology	Bacterial identification		Automated Microorganism ID		Blood - Venous whole blood	
Microbiology	Bacterial identification		MALDI TOF mass spectrometry		Blood - Venous whole blood	
Microbiology	Bacterial identification		Manual Microorganism ID		Blood - Venous whole blood	
Microbiology	Bacterial identification		Other, specify	Fluorescence	Blood - Venous whole blood	
Microbiology	Bacterial identification		Nucleic Acid Amplification test (NAAT)		Swab	
Microbiology	Bacterial identification		Nucleic Acid Amplification test (NAAT)		Urine	
Microbiology	Gram stains		Gram Stain		Swab	
Microbiology	Mycological identification		Automated Microorganism ID		Swab	
Microbiology	Mycological identification		MALDI TOF mass spectrometry		Swab	
Microbiology	Mycological identification		Manual Microorganism ID		Swab	
Microbiology	Other, specify	H. pylori Stool Antigen	Immunoassay		Stool	
Microbiology	Parasite identification		Nucleic Acid Amplification test (NAAT)		Swab	
Microbiology	Parasite identification		Nucleic Acid Amplification test (NAAT)		Urine	
Microbiology	Parasite identification		Nucleic Acid Amplification test (NAAT)		Stool	
Microbiology	Parasite identification		Microscopy - Bright Field		Stool	
Microbiology	Parasite identification		Microscopy - Bright Field		Foreign bodies	
Microbiology	Viral serology	Herpes Simplex Virus 1 and 2	Immunoassay		Blood - Serum	
Microbiology	Viral serology	COVID19 Antibody testing	Immunoassay		Blood - Serum	
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Gel		Blood - Venous whole blood	