



**DIAGNOSTIC ACCREDITATION PROGRAM**

College of Physicians and Surgeons of BC

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**Laboratory Medicine – Scope of Accreditation**

<b>Facility name</b>	Langley Memorial Hospital
<b>Facility address</b>	22051 Fraser Highway, Langley BC V3A 4H4
<b>Facility code</b>	0106LM
<b>Corporate entity/health authority</b>	Fraser Health Authority
<b>Accreditation</b>	Full Accreditation
<b>Effective date</b>	2017-01-24
<b>Expiry date</b>	2022-03-17
<b>Laboratory Standard</b>	Version 1.2
<b>Services</b>	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 Collection		Venous and Capillary		Whole Blood	
Sample Collection	Sample Processing		Receipt, accessioning, storage, transportation		Blood, fluids, stool, tissues, swabs, foreign bodies	
Chemistry	Acetaminophen		Turbidimetric		Blood - Plasma	
Chemistry	Alanine Aminotransferase (ALT)		Spectrophotometry		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Albumin		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Albumin		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Spectrophotometry		Blood - Plasma	
Chemistry	Alkaline phosphatase		Spectrophotometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Spectrophotometry		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Spectrophotometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Amphetamine		Enzyme immunoassay		Urine	
Chemistry	Aspartate Aminotransferase (AST)		Spectrophotometry		Blood - Plasma	
Chemistry	Benzodiazepines		Enzyme immunoassay		Urine	
Chemistry	Beta-hydroxybutyrate (BHB)		Turbidimetric		Blood - Plasma	
Chemistry	Beta-hydroxybutyrate (BHB)		Turbidimetric		Blood - Serum	

Chemistry	Bilirubin, direct		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, direct		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Bilirubin, direct		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Bilirubin, direct		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Bilirubin, total		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Bilirubin, total		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Bilirubin, total		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Blood Gases – pCO2		Potentiometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pCO2		Potentiometry		Blood - Venous whole blood	
Chemistry	Blood Gases – pH		Potentiometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pH		Potentiometry		Blood - Venous whole blood	
Chemistry	Blood Gases – pH		Potentiometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Blood Gases – pO2		Amperometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pO2		Amperometry		Blood - Venous whole blood	
Chemistry	BNP / NT-proBNP		Immunoassay		Blood - Plasma	
Chemistry	Calcium, ionized		Ion Selective Electrode		Blood - Arterial whole blood	
Chemistry	Calcium, ionized		Ion Selective Electrode		Blood - Venous whole blood	
Chemistry	Calcium, total		Ion Selective Electrode		Blood - Plasma	
Chemistry	Calcium, total		Ion Selective Electrode		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Calcium, total		Ion Selective Electrode		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Calcium, total		Ion Selective Electrode		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Calcium, total		Ion Selective Electrode		Urine	
Chemistry	Chloride		Ion Selective Electrode		Blood - Arterial whole blood	
Chemistry	Chloride		Ion Selective Electrode		Blood - Plasma	
Chemistry	Chloride		Ion Selective Electrode		Blood - Venous whole blood	
Chemistry	Chloride		Ion Selective Electrode		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Chloride		Ion Selective Electrode		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Chloride		Ion Selective Electrode		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist

Chemistry	Chloride		Ion Selective Electrode		Urine	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, LDL		Other, specify	Calculation	Blood - Plasma	
Chemistry	Cholesterol, total		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, total		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Cholesterol, total		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Cholesterol, total		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	CO2, total		Ion Selective Electrode		Blood - Plasma	
Chemistry	Cocaine derivatives		Enzyme immunoassay		Urine	
Chemistry	C-reactive protein (CRP)		Turbidimetric		Blood - Plasma	
Chemistry	Creatine kinase (CK)		Spectrophotometry		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Creatinine		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Creatinine		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Creatinine		Colorimetric		Urine	
Chemistry	Digoxin		Immunoassay		Blood - Plasma	
Chemistry	Ethanol		Spectrophotometry		Blood - Plasma	
Chemistry	Fentanyl		Enzyme immunoassay		Urine	
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Blood - Plasma	
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Glucose		Amperometry		Blood - Arterial whole blood	
Chemistry	Glucose		Amperometry		Blood - Plasma	
Chemistry	Glucose		Amperometry		Blood - Venous whole blood	
Chemistry	Glucose		Amperometry		Fluid - Cerebrospinal	
Chemistry	Glucose		Amperometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Glucose		Amperometry		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist

Chemistry	Glucose		Amperometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay		Blood - Plasma	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay		Urine	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	Lactate		Amperometry		Blood - Arterial whole blood	
Chemistry	Lactate		Colorimetric		Blood - Plasma	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Blood - Plasma	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Fluid - Cerebrospinal	
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lipase		Colorimetric		Blood - Plasma	
Chemistry	Lipase		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lipase		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lipase		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Magnesium		Colorimetric		Blood - Plasma	
Chemistry	Magnesium		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Magnesium		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Magnesium		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Methadone		Enzyme immunoassay		Urine	
Chemistry	Occult blood – guaiac		Other, specify	Guaiac	Stool	
Chemistry	Opiates		Enzyme immunoassay		Urine	
Chemistry	Osmolality		Osmometry	freezing point depression	Blood - Plasma	
Chemistry	Osmolality		Osmometry	freezing point depression	Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Osmolality		Osmometry	freezing point depression	Urine	
Chemistry	Other, specify	Ketones	Dipstick		Blood - Plasma	
Chemistry	Other, specify	eGFR	Other, specify	Calculated	Blood - Plasma	

Chemistry	Other, specify	Specific Gravity	Other, specify	Refractometry	Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Other, specify	Specific Gravity	Other, specify	Refractometry	Urine	
Chemistry	Oximetry		Oximetry		Blood - Arterial whole blood	
Chemistry	Oximetry		Oximetry		Blood - Venous whole blood	
Chemistry	Oxycodone		Enzyme immunoassay		Urine	
Chemistry	Phenytoin		Turbidimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Phosphorus		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Phosphorus		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Phosphorus		Colorimetric		Urine	
Chemistry	Potassium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Potassium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Potassium		Potentiometry		Blood - Venous whole blood	
Chemistry	Potassium		Ion Selective Electrode		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Ion Selective Electrode		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Ion Selective Electrode		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Ion Selective Electrode		Urine	
Chemistry	Protein, total		Colorimetric		Blood - Plasma	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Protein, total		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Protein, total		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Protein, total		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Protein, total		Colorimetric		Urine	
Chemistry	ROM - Fetal fibronectin (FN)		Lateral Flow Immunoassay		Swab	
Chemistry	Salicylate		Spectrophotometry		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Sodium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Venous whole blood	

Chemistry	Sodium		Ion Selective Electrode		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Sodium		Ion Selective Electrode		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Sodium		Ion Selective Electrode		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Sodium		Ion Selective Electrode		Urine	
Chemistry	T4, free		Immunoassay		Blood - Plasma	
Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay		Blood - Plasma	
Chemistry	Triglycerides		Colorimetric		Blood - Plasma	
Chemistry	Triglycerides		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Troponin I/Troponin T		Immunoassay		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Urea		Spectrophotometry		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Urea		Spectrophotometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Urea		Spectrophotometry		Urine	
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Uric acid		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Uric acid		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Uric acid		Colorimetric		Urine	
Chemistry	Urinalysis, macroscopic		Other, specify	Reflectance Photometry	Urine	
Chemistry	Urinalysis, microscopic					
Chemistry	Vancomycin		Turbidimetric		Blood - Plasma	
Hematology	Activated partial thromboplastin time (aPTT)		Other, specify	Mechanical Clot Detection	Blood - Plasma	
Hematology	Blood parasite antigen detection		Lateral Flow Immunoassay		Blood - Venous whole blood	
Hematology	Blood parasite identification		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Cerebrospinal	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Pericardial	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Peritoneal	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Pleural	

Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Synovial	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Cerebrospinal	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Pericardial	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Peritoneal	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Pleural	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Synovial	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Blood - Venous whole blood	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Cerebrospinal	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Pericardial	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Peritoneal	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Pleural	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Synovial	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, <del>RDW, Platelet Count, PDW, MPV</del>		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	D-dimer		Immunoturbidimetric		Blood - Plasma	
Hematology	Eosinophils, in secretions and excretions		Microscopy - Bright Field		Other, specify	Nasal secretion
Hematology	Eosinophils, in secretions and excretions		Microscopy - Bright Field		Sputum	
Hematology	Eosinophils, in secretions and excretions		Microscopy - Bright Field		Stool	
Hematology	Eosinophils, in secretions and excretions		Microscopy - Bright Field		Urine	
Hematology	Erythrocyte count (RBC), manual		Hemocytometer		Blood - Venous whole blood	
Hematology	Fibrinogen		Other, specify	Mechanical Clot Detection	Blood - Plasma	
Hematology	Infectious mononucleosis		Lateral Flow Immunoassay		Blood - Plasma	
Hematology	Infectious mononucleosis		Lateral Flow Immunoassay		Blood - Serum	
Hematology	Infectious mononucleosis		Lateral Flow Immunoassay		Blood - Venous whole blood	
Hematology	International normalized ratio (INR)		Other, specify	Calculated	Blood - Plasma	
Hematology	Leukocyte count (WBC), manual		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	WBC differential – manual		Microscopy - Bright Field		Blood - Venous whole blood	
POCT	Glucose		Electrochemistry		Other, specify	Capillary - Whole Blood
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Gel		Blood - Red Cells	

Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – qualitative		Serological - Manual		Blood - Red Cells	
Transfusion Medicine	Phenotyping		Serological - Manual		Blood - Red Cells	
Transfusion Medicine	Pooling of Blood Products					
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Red Cells	
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Antibody investigation		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Store and Issue Blood Products					