



**DIAGNOSTIC ACCREDITATION PROGRAM**

College of Physicians and Surgeons of BC

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**Laboratory Medicine – Scope of Accreditation**

<b>Facility name</b>	Burnaby Hospital
<b>Facility address</b>	3935 Kincaid St, Burnaby BC V5G 2X6
<b>Facility code</b>	0101LM
<b>Corporate entity/health authority</b>	Fraser Health Authority

<b>Accreditation</b>	Full Accreditation
<b>Effective date</b>	2021-01-29
<b>Expiry date</b>	2025-02-05
<b>Laboratory Standard</b>	Version 1.4

**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 Collection		Venous and Capillary		Whole Blood	
Sample Collection	Sample Processing		Receipt, accessioning, storage, transportation		Blood, fluids, stool, tissues, swabs, foreign bodies	
Anatomical Pathology	Fixation and Gross examination		Fixation and gross examination		Tissue - Fresh	
Anatomical Pathology	Intraoperative Consultations		Frozen section prep and staining		Tissue - Fresh	
Anatomical Pathology	Routine microscopy		Microscopy - Bright Field		Tissue - Formalin Fixed Paraffin Embedded	
Chemistry	Acetaminophen		Immunoturbidometry		Blood - Plasma	
Chemistry	Alanine Aminotransferase (ALT)		Enzymology		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Blood - Plasma	
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	Albumin		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Enzymology		Blood - Plasma	
Chemistry	Alkaline phosphatase		Enzymology		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Enzymology		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Alkaline phosphatase		Enzymology		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Ammonia		Spectrophotometry		Blood - Plasma	
Chemistry	Amphetamine		Enzyme immunoassay		Urine	
Chemistry	Aspartate Aminotransferase (AST)		Enzymology		Blood - Plasma	
Chemistry	Benzodiazepines		Enzyme immunoassay		Urine	
Chemistry	Bilirubin, direct		Colorimetric		Blood - Plasma	

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

Chemistry	Chloride		Potentiometry		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Chloride		Potentiometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Chloride		Potentiometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	CO2, total		Potentiometry		Blood - Plasma	
Chemistry	Cocaine derivatives		Enzyme immunoassay		Urine	
Chemistry	C-reactive protein (CRP)		Turbidimetry		Blood - Plasma	
Chemistry	Creatine kinase (CK)		Enzymology		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Urine	
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		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Ethanol		Spectrophotometry		Blood - Plasma	
Chemistry	Fentanyl		Enzyme immunoassay		Urine	
Chemistry	Gamma-glutamyl transferase (GGT)		Enzymology		Blood - Plasma	
Chemistry	Gamma-glutamyl transferase (GGT)		Enzymology		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Gamma-glutamyl transferase (GGT)		Enzymology		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Gamma-glutamyl transferase (GGT)		Enzymology		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Glucose		Amperometry		Fluid - Cerebrospinal	
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	Glucose		Amperometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Glucose		Amperometry		Blood - Plasma	
Chemistry	Glucose		Amperometry		Blood - Arterial whole blood	
Chemistry	Glucose		Amperometry		Blood - Venous whole blood	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Lactate		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Lactate		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist

Chemistry	Lactate		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate		Colorimetric		Blood - Plasma	
Chemistry	Lactate		Amperometry		Blood - Arterial whole blood	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate dehydrogenase (LD)		Enzymology		Fluid - Cerebrospinal	
Chemistry	Lactate dehydrogenase (LD)		Enzymology		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Enzymology		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Enzymology		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Enzymology		Blood - Plasma	
Chemistry	Lipase		Colorimetric		Blood - Plasma	
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	Lipase		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Magnesium		Colorimetric		Blood - Plasma	
Chemistry	Magnesium		Colorimetric		Urine	*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	Magnesium		Colorimetric		Fluid - Other	*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		Blood - Plasma	
Chemistry	Osmolality		Osmometry		Urine	
Chemistry	Osmolality		Osmometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Other, specify	Specific Gravity	Other, specify	Refractometry	Urine	
Chemistry	Other, specify	Specific Gravity	Other, specify	Refractometry	Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Other, specify	Ketones	Dipstick		Blood - Plasma	

Chemistry	Oximetry		Oximetry		Blood - Arterial whole blood	
Chemistry	Oximetry		Oximetry		Blood - Venous whole blood	
Chemistry	Phenytoin		Immunoturbidometry		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Urine	
Chemistry	Phosphorus		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid
Chemistry	Phosphorus		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Phosphorus		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Potentiometry		Blood - Plasma	
Chemistry	Potassium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Potassium		Potentiometry		Blood - Venous whole blood	
Chemistry	Potassium		Potentiometry		Urine	
Chemistry	Potassium		Potentiometry		Fluid - Peritoneal	*As per FH policy reporting any fluid
Chemistry	Potassium		Potentiometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Potentiometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Potassium		Potentiometry		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Protein, total		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid
Chemistry	Protein, total		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Protein, total		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Protein, total		Colorimetric		Blood - Plasma	
Chemistry	Protein, total		Colorimetric		Urine	
Chemistry	Salicylate		Spectrophotometry		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Sodium		Potentiometry		Blood - Venous whole blood	
Chemistry	Sodium		Potentiometry		Urine	
Chemistry	Sodium		Potentiometry		Fluid - Peritoneal	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Sodium		Potentiometry		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Sodium		Potentiometry		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Troponin I		Immunoassay, chemiluminescence		Blood - Plasma	

Chemistry	Urea		Enzymology		Blood - Plasma	
Chemistry	Urea		Enzymology		Urine	
Chemistry	Urea		Enzymology		Fluid - Peritoneal	*As per FH policy reporting any fluid
Chemistry	Urea		Enzymology		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Urea		Enzymology		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Fluid - Peritoneal	*As per FH policy reporting any fluid
Chemistry	Uric acid		Colorimetric		Fluid - Pleural	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Uric acid		Colorimetric		Fluid - Other	*As per FH policy reporting any fluid approved by Medical Biochemist
Chemistry	Urinalysis, macroscopic		Dipstick		Urine	
Chemistry	Urinalysis, microscopic		Microscopy - Phase contrast		Urine	
Chemistry	Vancomycin		Turbidimetry		Blood - Plasma	
Hematology	Activated partial thromboplastin time		Other, specify	Mechanical Clot Detection	Blood - Plasma	
Hematology	Activated partial thromboplastin time		Turbidimetric		Blood - Plasma	
Hematology	Blood parasite identification		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	Blood parasite identification		Lateral Flow Immunoassay		Blood - Venous whole blood	
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	Body fluid cell count, manual		Hemocytometer		Bronchial washings / brushings	
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	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Bronchial washings / brushings	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Bone marrow	

Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW, Platelet Count, PDW, WBC Absolute Differential		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	D-dimer		Immunoturbidometric		Blood - Plasma	
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	Eosinophils, in secretions and excretions		Microscopy - Bright Field		Other, specify	Nasal secretion
Hematology	Erythrocyte count (RBC), manual		Hemocytometer		Blood - Venous whole blood	
Hematology	Erythrocyte sedimentation rate (ESR)		Westergren method		Blood - Venous whole blood	
Hematology	Fibrinogen		Other, specify	Mechanical Clot Detection	Blood - Plasma	
Hematology	Fibrinogen		Turbidimetric		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	INR		Other, specify	Calculated	Blood - Plasma	
Hematology	Leukocyte count (WBC), manual		Hemocytometer		Blood - Venous whole blood	
Hematology	Platelet count, manual		Hemocytometer		Blood - Venous whole blood	
Hematology	Reticulocyte count (automated)		Flow Cytometry		Blood - Venous whole blood	
Hematology	WBC differential – manual		Routine Blood Cell staining (example: Wright/Giemsa)		Bone marrow	
Hematology	WBC differential – manual		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
POCT	Glucose		Electrochemistry		Other, specify	Capillary - Whole blood
POCT	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
POCT	Urinalysis, macroscopic		Dipstick		Urine	
Transfusion Medicine	ABO grouping		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Compatibility testing		Crossmatch - serological		Blood - Plasma	
Transfusion Medicine	Compatibility testing		Crossmatch - computer			
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Gel		Blood - Red Cells	
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Manual		Blood - Red Cells	
Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – qualitative		Serological - Manual		Blood - Red Cells	

Transfusion Medicine	Phenotyping		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Store and Issue Blood Products					