COLLEGE OF PHYSICIANS AND SURGEONS OF BRITISH COLUMBIA

DIAGNOSTIC ACCREDITATION PROGRAM

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Laboratory Medicine – Scope of Accreditation

Facility name	Ridge Meadows Hospital
Facility address	11666 Laity Street Maple Ridge, BC V2X 7G5
Facility code	0110LM
Corporate entity/health authority	Fraser Health Authority
Accreditation	Full Accreditation - ISO15189
Effective date	2025-12-08
Expiry date	2029-01-30
Laboratory Standard	Version 2.0.1
Services	Pursuant to section 13-41(1) of the Bylaws under the Health Professions and Occupations Act (HPOA), SBC 2022, c. 43, this facility has been evaluated by the Diagnostic Accreditation Program and has been granted accreditation to perform the examinations listed in the table below.

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Sample Processing	Centrifugation	All sample types
Chemistry	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Chemistry	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Chemistry	Blood gases – pH	Potentiometry	Blood - Arterial whole blood
Chemistry	Chloride	Potentiometry	Blood - Arterial whole blood
Chemistry	Glucose	Amperometry	Blood - Arterial whole blood
Chemistry	Lactate	Amperometry	Blood - Arterial whole blood
Chemistry	Potassium	Potentiometry	Blood - Arterial whole blood
Chemistry	Sodium	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pO2	Amperometry	Blood - Arterial whole blood
Chemistry	CO2, total	Potentiometry	Blood - Arterial whole blood
Chemistry	Co-Oximetry	Spectrophotometry	Blood - Arterial whole blood
Chemistry	Osmolality	Osmometry	Blood - Plasma
Chemistry	Ketones	Dipstick	Blood - Plasma
Chemistry	Ethanol	Spectrophotometry	Blood - Plasma
Chemistry	B-type natriuretic peptide (BNP / NT-proBNP)	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Chloride	Potentiometry	Blood - Plasma
Chemistry	CO2, total	Potentiometry	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Creatine kinase (CK)	Spectrophotometry	Blood - Plasma
Chemistry	Creatinine	Spectrophotometry	Blood - Plasma
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Plasma
Chemistry	Glucose	Spectrophotometry	Blood - Plasma
Chemistry	Lactate	Colorimetric	Blood - Plasma
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Plasma
Chemistry	Lipase	Colorimetric	Blood - Plasma
Chemistry	Magnesium	Spectrophotometry	Blood - Plasma
Chemistry	Phosphorus	Colorimetric	Blood - Plasma
Chemistry	Potassium	Potentiometry	Blood - Plasma
Chemistry	Protein, total	Colorimetric	Blood - Plasma
Chemistry	Salicylate	Spectrophotometry	Blood - Plasma
Chemistry	Sodium	Potentiometry	Blood - Plasma
Chemistry	Urea	Spectrophotometry	Blood - Plasma
Chemistry	Uric acid	Spectrophotometry	Blood - Plasma
Chemistry	Acetaminophen	Colorimetric	Blood - Plasma
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Plasma
Chemistry	Albumin	Colorimetric	Blood - Plasma
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Plasma
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Plasma
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Blood - Plasma
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Thyroid-stimulating hormone (TSH)	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Vancomycin	Enzyme immunoassay (EIA)	Blood - Plasma
Chemistry	Troponin I	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	C-reactive protein (CRP)	Immunoturbidometry	Blood - Plasma
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Plasma
Chemistry	Calcium, total	Potentiometry	Blood - Venous whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Venous whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Venous whole blood
Chemistry	Chloride	Potentiometry	Blood - Venous whole blood
Chemistry	Glucose	Amperometry	Blood - Venous whole blood
Chemistry	Lactate	Amperometry	Blood - Venous whole blood
Chemistry	Potassium	Potentiometry	Blood - Venous whole blood
Chemistry	Sodium	Potentiometry	Blood - Venous whole blood
Chemistry	CO2, total	Potentiometry	Blood - Venous whole blood
Chemistry	Co-Oximetry	Spectrophotometry	Blood - Venous whole blood
Chemistry	Blood Gases – pO2	Amperometry	Blood - Venous whole blood
Chemistry	Calcium, ionized	Potentiometry	Blood - Venous whole blood
Chemistry	Glucose	Spectrophotometry	Fluid - Cerebrospinal
Chemistry	Lactate	Colorimetric	Fluid - Cerebrospinal
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Fluid - Cerebrospinal
Chemistry	Protein, total	Colorimetric	Fluid - Cerebrospinal
Chemistry	Occult Blood - guaiac (gFOBT)	Oxidization (Guaiac)	Fluid - Gastric
Chemistry	Calcium, total	Potentiometry	Fluid - Peritoneal
Chemistry	Chloride	Potentiometry	Fluid - Peritoneal
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Fluid - Peritoneal
Chemistry	Lipase	Colorimetric	Fluid - Peritoneal
Chemistry	Magnesium	Spectrophotometry	Fluid - Peritoneal
Chemistry	Urea	Spectrophotometry	Fluid - Peritoneal
Chemistry	Uric acid	Spectrophotometry	Fluid - Peritoneal
Chemistry	Albumin	Colorimetric	Fluid - Peritoneal
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Fluid - Peritoneal
Chemistry	Bilirubin, Conjugated	Colorimetric	Fluid - Peritoneal
Chemistry	Bilirubin, total	Colorimetric	Fluid - Peritoneal
Chemistry	Glucose	Spectrophotometry	Fluid - Peritoneal
Chemistry	Lactate	Colorimetric	Fluid - Peritoneal

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Fluid - Peritoneal
Chemistry	Protein, total	Colorimetric	Fluid - Peritoneal
Chemistry	Creatinine	Spectrophotometry	Fluid - Peritoneal
Chemistry	Potassium	Potentiometry	Fluid - Peritoneal
Chemistry	Sodium	Potentiometry	Fluid - Peritoneal
Chemistry	Calcium, total	Potentiometry	Fluid - Pleural
Chemistry	Chloride	Potentiometry	Fluid - Pleural
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Fluid - Pleural
Chemistry	Lipase	Colorimetric	Fluid - Pleural
Chemistry	Magnesium	Spectrophotometry	Fluid - Pleural
Chemistry	Urea	Spectrophotometry	Fluid - Pleural
Chemistry	Uric acid	Spectrophotometry	Fluid - Pleural
Chemistry	Albumin	Colorimetric	Fluid - Pleural
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Fluid - Pleural
Chemistry	Bilirubin, Conjugated	Colorimetric	Fluid - Pleural
Chemistry	Bilirubin, total	Colorimetric	Fluid - Pleural
Chemistry	Glucose	Spectrophotometry	Fluid - Pleural
Chemistry	Lactate	Colorimetric	Fluid - Pleural
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Fluid - Pleural
Chemistry	Protein, total	Colorimetric	Fluid - Pleural
Chemistry	Creatinine	Spectrophotometry	Fluid - Pleural
Chemistry	Potassium	Potentiometry	Fluid - Pleural
Chemistry	Sodium	Potentiometry	Fluid - Pleural
Chemistry	Osmolality	Freezing point depression	Fluid, as approved by Laboratory Physician
Chemistry	Ketones	Dipstick	Fluid, as approved by Laboratory Physician
Chemistry	Calcium, total	Potentiometry	Fluid, as approved by Laboratory Physician
Chemistry	Chloride	Potentiometry	Fluid, as approved by Laboratory Physician
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Lipase	Colorimetric	Fluid, as approved by Laboratory Physician

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Magnesium	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Urea	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Uric acid	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Albumin	Colorimetric	Fluid, as approved by Laboratory Physician
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Bilirubin, Conjugated	Colorimetric	Fluid, as approved by Laboratory Physician
Chemistry	Bilirubin, total	Colorimetric	Fluid, as approved by Laboratory Physician
Chemistry	Glucose	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Lactate	Colorimetric	Fluid, as approved by Laboratory Physician
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Protein, total	Colorimetric	Fluid, as approved by Laboratory Physician
Chemistry	Creatinine	Spectrophotometry	Fluid, as approved by Laboratory Physician
Chemistry	Potassium	Potentiometry	Fluid, as approved by Laboratory Physician
Chemistry	Sodium	Potentiometry	Fluid, as approved by Laboratory Physician
Chemistry	Blood gases – pH	Potentiometry	Fluid, as approved by Laboratory Physician
Chemistry	Specific Gravity	Refractometry	Fluid, as approved by Laboratory Physician
Chemistry	Occult Blood - guaiac (gFOBT)	Oxidization (Guaiac)	Stool
Chemistry	ROM - Fetal fibronectin (FN)	Immunochromatography	Swab
Chemistry	Osmolality	Freezing point depression	Urine
Chemistry	Cocaine derivatives	Enzyme immunoassay (EIA)	Urine
Chemistry	Fentanyl	Enzyme immunoassay (EIA)	Urine
Chemistry	Methadone	Enzyme immunoassay (EIA)	Urine
Chemistry	Opiates	Enzyme immunoassay (EIA)	Urine
Chemistry	Amphetamine	Enzyme immunoassay (EIA)	Urine
Chemistry	Benzodiazepines	Enzyme immunoassay (EIA)	Urine
Chemistry	Cannabinoids	Enzyme immunoassay (EIA)	Urine
Chemistry	Creatinine	Spectrophotometry	Urine
Chemistry	Potassium	Potentiometry	Urine
Chemistry	Protein, total	Colorimetric	Urine

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Sodium	Potentiometry	Urine
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
Chemistry	Urinalysis, microscopic	Microscopy - Phase contrast	Urine
Chemistry	Specific Gravity	Refractometry	Urine
Chemistry	Urinalysis, macroscopic	Reflectance Photometry	Urine
Hematology	Sample Processing	Centrifugation	All sample types
Hematology	Sample Processing	Centrifugation - Platelet Poor Plasma	All sample types
Hematology	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Hematology	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Hematology	Activated partial thromboplastin time (aPTT)	Turbidimetric	Blood - Plasma
Hematology	D-dimer	Immunoturbidometry	Blood - Plasma
Hematology	Fibrinogen	Turbidimetric	Blood - Plasma
Hematology	International normalized ratio (INR)	Calculated	Blood - Plasma
Hematology	Infectious mononucleosis	Immunoassay, lateral flow	Blood - Venous whole blood
Hematology	Blood parasite identification	Stains, Routine	Blood - Venous whole blood
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	WBC differential	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Blood - Venous whole blood
Hematology	WBC differential	Stains, Routine	Blood - Venous whole blood
Hematology	Cell morphology - Routine stain(s)	Digital Image	Blood - Venous whole blood
Hematology	WBC differential	Digital Image	Blood - Venous whole blood
Hematology	Complete Blood Count (CBC) - 5 part differential	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Bronchial washings / brushings
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Bronchial washings / brushings
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Cerebrospinal
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal
Hematology	Eosinophils in secretions, excretions and other body fluids	Microscopy - Bright Field	Fluid - Nasal Secretions
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pericardial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Pericardial
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Pericardial
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Pericardial
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pericardial
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pericardial
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Peritoneal
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Peritoneal
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Peritoneal
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Peritoneal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Pleural
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Pleural
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Synovial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Synovial
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Synovial
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Synovial
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Synovial
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Synovial
Hematology	Eosinophils in secretions, excretions and other body fluids	Microscopy - Bright Field	Sputum
Hematology	Eosinophils in secretions, excretions and other body fluids	Microscopy - Bright Field	Stool
Hematology	Eosinophils in secretions, excretions and other body fluids	Microscopy - Bright Field	Urine

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Point of Care Testing	Sample Collection	Capillary	All sample types
Point of Care Testing	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Point of Care Testing	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Point of Care Testing	Glucose	Electrochemistry	Blood - Capillary whole blood
Point of Care Testing	Hemoglobin (Hb)	Spectrophotometry	Blood - Venous whole blood
Point of Care Testing	ROM - Placental Alpha Microglobulin-1 (PAMG-1)	Immunoassay, lateral flow	Swab
Sample Collection	Sample Processing	Centrifugation	All sample types
Sample Collection	Sample Collection	Capillary	Blood
Sample Collection	Sample Collection	Venipuncture	Blood
Sample Collection	Sample Processing	Receipt, accessioning, storage,	Blood
Sample Collection	Sample Processing	Centrifugation - Platelet Poor Plasma	Blood
Sample Collection	Sample Processing	Receipt, accessioning, storage,	Fluid
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Foreign bodies
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Sputum
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Sputum
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Stool
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Stool
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Swab
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Swab
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Tissue
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Urine
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Urine
Transfusion Medicine	Sample Processing	Centrifugation	All sample types
Transfusion Medicine	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Transfusion Medicine	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Transfusion Medicine	Antibody investigation	Serological - Gel	Blood - Plasma
Transfusion Medicine	Antibody screening	Serological - Gel	Blood - Plasma
Transfusion Medicine	Compatibility testing	Crossmatch - computer	Blood - Plasma
Transfusion Medicine	Compatibility testing	Crossmatch - serological	Blood - Plasma
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

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Transfusion Medicine	Rh (D) typing	Serological - Manual	Blood - Red Cells
Transfusion Medicine	ABO typing	Serological - Manual	Blood - Venous whole blood
Transfusion Medicine	Receipt, Storage and Issue Blood Products	N/A	N/A
Transfusion Medicine	Modification of Blood Products, Pooling	N/A	N/A