COLLEGE OF PHYSICIANS AND SURGEONS OF BRITISH COLUMBIA

DIAGNOSTIC ACCREDITATION PROGRAM

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Laboratory Medicine – Scope of Accreditation

Facility name	Kootenay Lake Hospital
Facility address	3 View Street Nelson, BC V1L 2V1
Facility code	0219LM
Corporate entity/health authority	Interior Health Authority
Accreditation	Full Accreditation
Effective date	2025-02-03
Expiry date	2029-06-11
Laboratory Standard	Version 1.7
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)	Methodology/principle	Sample Type
Chemistry	Acetaminophen	Colorimetric	Blood - Plasma
Chemistry	Acetaminophen	Colorimetric	Blood - Serum
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Plasma
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Serum
Chemistry	Albumin	Colorimetric	Blood - Plasma
Chemistry	Albumin	Colorimetric	Blood - Serum
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Plasma
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Serum
Chemistry	Amphetamine	Immunoassay, lateral flow	Urine
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Plasma
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Serum
Chemistry	Barbiturates	Immunoassay, lateral flow	Urine
Chemistry	Benzodiazepines	Immunoassay, lateral flow	Urine
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Serum
Chemistry	Bilirubin, total	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Blood - Serum

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Blood Gases – pCO2	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Capillary whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Cord
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Venous whole blood
Chemistry	Blood Gases – pH	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Capillary whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Cord
Chemistry	Blood Gases – pH	Potentiometry	Blood - Venous whole blood
Chemistry	Blood Gases – pO2	Amperometry	Blood - Arterial whole blood
Chemistry	Blood gases – pO2	Amperometry	Blood - Capillary whole blood
Chemistry	Blood gases – pO2	Amperometry	Blood - Cord
Chemistry	Blood gases – pO2	Amperometry	Blood - Venous whole blood
Chemistry	Calcium, ionized	Potentiometry	Blood - Arterial whole blood
Chemistry	Calcium, ionized	Potentiometry	Blood - Serum
Chemistry	Calcium, total	Spectrophotometry	Blood - Plasma
Chemistry	Calcium, total	Spectrophotometry	Blood - Serum
Chemistry	Cannabinoids	Immunoassay, lateral flow	Urine
Chemistry	Chloride	Potentiometry	Blood - Arterial whole blood
Chemistry	Chloride	Potentiometry	Blood - Plasma
Chemistry	Chloride	Potentiometry	Blood - Serum
Chemistry	Chloride	Potentiometry	Blood - Venous whole blood
Chemistry	CO2, total	Potentiometry	Blood - Arterial whole blood
Chemistry	CO2, total	Potentiometry	Blood - Capillary whole blood
Chemistry	CO2, total	Potentiometry	Blood - Cord
Chemistry	CO2, total	Potentiometry	Blood - Venous whole blood
Chemistry	CO2, total	Spectrophotometry	Blood - Plasma
Chemistry	CO2, total	Spectrophotometry	Blood - Serum
Chemistry	Cocaine derivatives	Immunoassay, lateral flow	Urine

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Co-Oximetry	CO-Oximetry	Blood - Arterial whole blood
Chemistry	Co-Oximetry	CO-Oximetry	Blood - Venous whole blood
Chemistry	Creatinine	Amperometry	Blood - Venous whole blood
Chemistry	Creatinine	Spectrophotometry	Blood - Plasma
Chemistry	Creatinine	Spectrophotometry	Blood - Serum
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Plasma
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Serum
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Venous whole blood
Chemistry	Ethanol	Spectrophotometry	Blood - Plasma
Chemistry	Ethanol	Spectrophotometry	Blood - Serum
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Plasma
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Serum
Chemistry	Glucose	Amperometry	Blood - Arterial whole blood
Chemistry	Glucose	Amperometry	Blood - Venous whole blood
Chemistry	Glucose	Spectrophotometry	Blood - Plasma
Chemistry	Glucose	Spectrophotometry	Blood - Serum
Chemistry	Glucose	Spectrophotometry	Fluid - Cerebrospinal
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Blood - Serum
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Serum
Chemistry	Lactate	Amperometry	Blood - Arterial whole blood
Chemistry	Lactate	Amperometry	Blood - Venous whole blood
Chemistry	Lactate	Colorimetric	Blood - Plasma
Chemistry	Lactate	Colorimetric	Fluid - Cerebrospinal
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Plasma
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Serum
Chemistry	Lipase	Colorimetric	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Lipase	Colorimetric	Blood - Serum
Chemistry	Magnesium	Spectrophotometry	Blood - Plasma
Chemistry	Magnesium	Spectrophotometry	Blood - Serum
Chemistry	Methadone	Immunoassay, lateral flow	Urine
Chemistry	Methamphetamine	Immunoassay, lateral flow	Urine
Chemistry	Methylenedioxy-methamphetamine (MDMA)	Immunoassay, lateral flow	Urine
Chemistry	Opiates	Immunoassay, lateral flow	Urine
Chemistry	Oxycodone	Immunoassay, lateral flow	Urine
Chemistry	Phosphorus	Colorimetric	Blood - Plasma
Chemistry	Phosphorus	Colorimetric	Blood - Serum
Chemistry	Potassium	Potentiometry	Blood - Arterial whole blood
Chemistry	Potassium	Potentiometry	Blood - Plasma
Chemistry	Potassium	Potentiometry	Blood - Serum
Chemistry	Potassium	Potentiometry	Blood - Venous whole blood
Chemistry	Protein, total	Colorimetric	Blood - Plasma
Chemistry	Protein, total	Colorimetric	Blood - Serum
Chemistry	Protein, total	Colorimetric	Fluid - Cerebrospinal
Chemistry	ROM - Fetal fibronectin (FN)	Immunochromatography	Swab
Chemistry	Salicylate	Spectrophotometry	Blood - Plasma
Chemistry	Salicylate	Spectrophotometry	Blood - Serum
Chemistry	Sodium	Potentiometry	Blood - Arterial whole blood
Chemistry	Sodium	Potentiometry	Blood - Plasma
Chemistry	Sodium	Potentiometry	Blood - Serum
Chemistry	Sodium	Potentiometry	Blood - Venous whole blood
Chemistry	Tricyclic Antidepressants (TCA)	Immunoassay, lateral flow	Urine
Chemistry	Troponin I	Amperometry	Blood - Venous whole blood
Chemistry	Troponin I	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Urea	Potentiometry	Blood - Venous whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Urea	Spectrophotometry	Blood - Plasma
Chemistry	Urea	Spectrophotometry	Blood - Serum
Chemistry	Uric acid	Spectrophotometry	Blood - Plasma
Chemistry	Uric acid	Spectrophotometry	Blood - Serum
Chemistry	Urinalysis, macroscopic	Reflectance Photometry	Urine
Chemistry	Urinalysis, microscopic	Microscopy - Phase contrast	Urine
Hematology	Activated partial thromboplastin time (aPTT)	Photometric	Blood - Plasma
Hematology	Blood parasite antigen detection	Immunoassay, lateral flow	Blood - Venous whole blood
Hematology	Blood parasite identification	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Ascites
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pericardial
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal Dialysate
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pleural
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Synovial
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Ascites
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pericardial
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Peritoneal Dialysate
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Synovial
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Ascites
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pericardial
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal Dialysate
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pleural

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Synovial
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Ascites
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Pericardial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Peritoneal Dialysate
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Synovial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid, as approved by Laboratory Physician
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	Complete Blood Count (CBC) - 3 part differential	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
Hematology	Complete Blood Count (CBC) - 5 part differential	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
Hematology	D-dimer	Immunoturbidometry	Blood - Plasma
Hematology	Erythrocyte sedimentation rate (ESR)	Modified Westergren method	Blood - Venous whole blood
Hematology	Fibrinogen	Photometric	Blood - Plasma
Hematology	Infectious mononucleosis	Immunoassay, lateral flow	Blood - Serum
Hematology	International normalized ratio (INR)	Calculated	Blood - Plasma
Hematology	International normalized ratio (INR)	Calculated	Blood - Venous whole blood
Hematology	Semen analysis, Post Vasectomy - presence/absence	Microscopy - Bright Field	Fluid - Semen
Hematology	WBC differential	Microscopy - Bright Field	Blood - Venous whole blood
POCT	Glucose	Electrochemistry	Blood - Capillary whole blood
POCT	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
POCT	Urinalysis, macroscopic	Dipstick	Urine
Sample Collection	Sample Collection	Capillary	Blood
Sample Collection	Sample Collection	Providing patient instructions for self-collected samples	Sputum
Sample Collection	Sample Collection	Providing patient instructions for self-collected samples	Stool
Sample Collection	Sample Collection	Providing patient instructions for self-collected samples	Swab
Sample Collection	Sample Collection	Providing patient instructions for self-collected samples	Urine

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Sample Collection	Sample Collection	Venipuncture	Blood
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Blood
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Fluid
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Foreign bodies
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Sputum
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Stool
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Swab
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Tissue
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Urine
Transfusion Medicine	ABO typing	Serological - Manual	Blood - Venous whole blood
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	Modification of Blood Products	N/A	N/A
Transfusion Medicine	Receipt, Storage and Issue Blood Products	N/A	N/A
Transfusion Medicine	Rh (D) typing	Serological - Manual	Blood - Venous whole blood