

Laboratory Medicine – Scope of Accreditation

Facility name	Shuswap Lake General Hospital
Facility address	601-10th Street NE, Salmon Arm, BC V1E 4N6
Facility code	0230LM
Corporate entity/health authority	Interior Health Authority

Accreditation	Full Accreditation
Effective date	2025-02-03
Expiry date	2029-03-26
Laboratory Standard	Version 1.7

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.

Services

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	Chloride	Potentiometry	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	Hemoglobin F	Spectometry	Blood - Arterial whole blood
Chemistry	Blood Gases – pCO2	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood Gases – pH	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood Gases – pO2	Amperometry	Blood - Arterial whole blood
Chemistry	Calcium, ionized	Potentiometry	Blood - Arterial whole blood
Chemistry	Glucose	Amperometry	Blood - Arterial whole blood
Chemistry	Co-Oximetry	CO-Oximetry	Blood - Arterial whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Capillary whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Capillary whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Blood gases – pO ₂	Amperometry	Blood - Capillary whole blood
Chemistry	CO ₂ , total	Potentiometry	Blood - Capillary whole blood
Chemistry	Hemoglobin F	Spectometry	Blood - Capillary whole blood
Chemistry	Blood gases – pCO ₂	Potentiometry	Blood - Cord
Chemistry	Blood gases – pH	Potentiometry	Blood - Cord
Chemistry	Blood gases – pO ₂	Amperometry	Blood - Cord
Chemistry	CO ₂ , total	Potentiometry	Blood - Cord
Chemistry	Troponin I	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Glucose	Spectrophotometry	Blood - Plasma
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Blood - Plasma
Chemistry	Creatinine	Spectrophotometry	Blood - Plasma
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	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	Calcium, total	Spectrophotometry	Blood - Plasma
Chemistry	Chloride	Potentiometry	Blood - Plasma
Chemistry	Cholesterol, HDL	Colorimetric	Blood - Plasma
Chemistry	Cholesterol, total	Colorimetric	Blood - Plasma
Chemistry	CO ₂ , total	Spectrophotometry	Blood - Plasma
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Plasma
Chemistry	Lactate	Colorimetric	Blood - Plasma
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
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	Sodium	Potentiometry	Blood - Plasma
Chemistry	Urea	Spectrophotometry	Blood - Plasma
Chemistry	Uric acid	Spectrophotometry	Blood - Plasma
Chemistry	Ethanol	Spectrophotometry	Blood - Plasma
Chemistry	Acetaminophen	Colorimetric	Blood - Plasma
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Serum
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Serum
Chemistry	Bilirubin, total	Colorimetric	Blood - Serum
Chemistry	Creatinine	Spectrophotometry	Blood - Serum
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Serum
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Serum
Chemistry	Albumin	Colorimetric	Blood - Serum
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Serum
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Serum
Chemistry	Calcium, total	Spectrophotometry	Blood - Serum
Chemistry	Chloride	Potentiometry	Blood - Serum
Chemistry	Cholesterol, HDL	Colorimetric	Blood - Serum
Chemistry	Cholesterol, total	Colorimetric	Blood - Serum
Chemistry	CO ₂ , total	Spectrophotometry	Blood - Serum
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Serum
Chemistry	Glucose	Spectrophotometry	Blood - Serum

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Serum
Chemistry	Lipase	Colorimetric	Blood - Serum
Chemistry	Magnesium	Spectrophotometry	Blood - Serum
Chemistry	Phosphorus	Colorimetric	Blood - Serum
Chemistry	Potassium	Potentiometry	Blood - Serum
Chemistry	Protein, total	Colorimetric	Blood - Serum
Chemistry	Sodium	Potentiometry	Blood - Serum
Chemistry	Urea	Spectrophotometry	Blood - Serum
Chemistry	Uric acid	Spectrophotometry	Blood - Serum
Chemistry	Ethanol	Spectrophotometry	Blood - Serum
Chemistry	C-reactive protein (CRP)	Immunoturbidometry	Blood - Serum
Chemistry	Acetaminophen	Colorimetric	Blood - Serum
Chemistry	Salicylate	Spectrophotometry	Blood - Serum
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Blood - Serum
Chemistry	Calcium, ionized	Potentiometry	Blood - Serum
Chemistry	Chloride	Potentiometry	Blood - Venous whole blood
Chemistry	CO ₂ , total	Potentiometry	Blood - Venous whole blood
Chemistry	Creatinine	Amperometry	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	Urea	Potentiometry	Blood - Venous whole blood
Chemistry	Troponin I	Amperometry	Blood - Venous whole blood
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Venous whole blood
Chemistry	Blood gases – pCO ₂	Potentiometry	Blood - Venous whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Blood Gases – pH	Potentiometry	Blood - Venous whole blood
Chemistry	Co-Oximetry	CO-Oximetry	Blood - Venous whole blood
Chemistry	Hemoglobin F	Spectometry	Blood - Venous whole blood
Chemistry	Glucose	Spectrophotometry	Fluid - Cerebrospinal
Chemistry	Lactate	Colorimetric	Fluid - Cerebrospinal
Chemistry	Protein, total	Colorimetric	Fluid - Cerebrospinal
Chemistry	ROM - Fetal fibronectin (FN)	Immunochemistry	Swab
Chemistry	Amphetamine	Immunoassay, lateral flow	Urine
Chemistry	Barbiturates	Immunoassay, lateral flow	Urine
Chemistry	Benzodiazepines	Immunoassay, lateral flow	Urine
Chemistry	Cannabinoids	Immunoassay, lateral flow	Urine
Chemistry	Cocaine derivatives	Immunoassay, lateral flow	Urine
Chemistry	Metadone	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	Tricyclic Antidepressants (TCA)	Immunoassay, lateral flow	Urine
Chemistry	Urinalysis, macroscopic	Reflectance Photometry	Urine
Chemistry	Urinalysis, microscopic	Microscopy - Phase contrast	Urine
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	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	International normalized ratio (INR)	Calculated	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	Activated partial thromboplastin time (aPTT)	Photometric	Blood - Plasma
Hematology	D-dimer	Immunoturbidometry	Blood - Plasma
Hematology	Fibrinogen	Photometric	Blood - Plasma
Hematology	Infectious mononucleosis	Immunoassay, lateral flow	Blood - Serum
Hematology	Erythrocyte sedimentation rate (ESR)	Modified Westergren method	Blood - Venous whole blood
Hematology	International normalized ratio (INR)	Calculated	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	WBC differential	Stains, Routine	Blood - Venous whole blood
Hematology	Blood parasite identification	Stains, Routine	Blood - Venous whole blood
Hematology	Blood parasite antigen detection	Immunoassay, lateral flow	Blood - Venous whole blood
Hematology	Complete Blood Count (CBC) - 3 part differential	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	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Ascites
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Ascites
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Ascites
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Ascites
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pericardial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	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 Dialysate

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Peritoneal Dialysate
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal Dialysate
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Peritoneal Dialysate
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid - Pleural
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pleural
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Pleural
Hematology	Semen analysis, Post Vasectomy - presence/absence	Microscopy - Bright Field	Fluid - Semen
Hematology	Semen analysis, Count	Hemocytometer	Fluid - Semen
Hematology	Semen analysis, Motility	Microscopy - Phase contrast	Fluid - Semen
Hematology	Semen analysis, Morphology	Microscopy - Phase contrast	Fluid - Semen
Hematology	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid - Synovial
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	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	Cell Count, Red Blood Cell (RBC)	Hemocytometer	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, White Blood Cell (WBC)	Hemocytometer	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid, as approved by Laboratory Physician
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid, as approved by Laboratory Physician
POCT	Sample Collection	Capillary	All sample types
POCT	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
POCT	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
POCT	Glucose	Electrochemistry	Blood - Capillary whole blood
Sample Collection	Sample Processing	Centrifugation	All sample types
Sample Collection	Sample Collection	Capillary	Blood
Sample Collection	Sample Collection	Venipuncture	Blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Blood
Sample Collection	Sample Processing	Centrifugation - Platelet Poor Plasma	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 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 screening	Serological - Gel	Blood - Plasma
Transfusion Medicine	Compatibility testing	Crossmatch - serological	Blood - Plasma
Transfusion Medicine	ABO typing	Serological - Manual	Blood - Venous whole blood
Transfusion Medicine	Rh (D) typing	Serological - Manual	Blood - Venous whole blood
Transfusion Medicine	Compatibility testing	Crossmatch - computer	N/A
Transfusion Medicine	Modification of Blood Products	N/A	N/A
Transfusion Medicine	Receipt, Storage and Issue Blood Products	N/A	N/A