



DIAGNOSTIC ACCREDITATION PROGRAM

College of Physicians and Surgeons of BC

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Laboratory Medicine – Scope of Accreditation

Facility name	Penticton Regional Hospital
Facility address	550 Carmi Avenue Penticton, BC V2A 3G6
Facility code	0225LM
Corporate entity/health authority	Interior Health Authority

Accreditation	Full Accreditation
Effective date	2020-08-19
Expiry date	2024-10-30
Laboratory Standard	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)
Anatomical Pathology	Fixation and Gross examination		Fixation and gross examination		Tissue - Formalin Fixed	
Anatomical Pathology	Intraoperative Consultations		Frozen section prep and staining		Tissue - Frozen	
Anatomical Pathology	Intraoperative Consultations		Microscopy - Bright Field		Tissue - Frozen	
Anatomical Pathology	Microtomy		Microtomy		Tissue - Formalin Fixed Paraffin	
Anatomical Pathology	Routine microscopy		Microscopy - Bright Field		Tissue - Formalin Fixed Paraffin	
Anatomical Pathology	Tissue processing and embedding		Tissue processing (e.g. • block prep, embedding)		Tissue - Formalin Fixed	
Anatomical Pathology	Tissue staining, automated		Routine stains (example: Hematoxylin & Eosin)		Tissue - Formalin Fixed Paraffin Embedded	
Anatomical Pathology	Tissue staining, manual		Special stains - Histochemistry		Tissue - Formalin Fixed Paraffin Embedded	
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	Albumin		Colorimetric		Fluid - Other	*As per IH policy reporting any fluid
Chemistry	Alkaline phosphatase		Spectrophotometry		Blood - Plasma	
Chemistry	Alkaline phosphatase		Spectrophotometry		Blood - Serum	
Chemistry	Ammonia		Colorimetric		Blood - Plasma	
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, direct		Spectrophotometry		Blood - Plasma	

Chemistry	Bilirubin, direct		Spectrophotometry		Blood - Serum	
Chemistry	Bilirubin, total		Spectrophotometry		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Fluid - Other	*As per IH policy reporting any fluid
Chemistry	Bilirubin, total		Spectrophotometry		Blood - Serum	
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 – pO2		Amperometry		Blood - Arterial whole blood	
Chemistry	Blood Gases – pO2		Amperometry		Blood - Venous whole blood	
Chemistry	BNP / NT-proBNP		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Calcium, ionized		Potentiometry		Blood - Plasma	
Chemistry	Calcium, ionized		Potentiometry		Blood - Serum	
Chemistry	Calcium, total		Colorimetric		Blood - Plasma	
Chemistry	Calcium, total		Colorimetric		Blood - Serum	
Chemistry	Calcium, total		Colorimetric		Urine	
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	Chloride		Potentiometry		Urine	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Serum	
Chemistry	Cholesterol, total		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, total		Colorimetric		Blood - Serum	
Chemistry	Cholesterol, total		Colorimetric		Fluid - other	*As per IH policy reporting any fluid
Chemistry	CO2, total		Potentiometry		Blood - Arterial whole blood	
Chemistry	CO2, total		Enzyme immunoassay		Blood - Plasma	
Chemistry	CO2, total		Enzyme immunoassay		Blood - Serum	
Chemistry	CO2, total		Potentiometry		Blood - Venous whole blood	
Chemistry	Cocaine derivatives		Immunoassay, lateral flow		Urine	
Chemistry	Cortisol		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Cortisol		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	C-reactive protein (CRP)		Enzyme immunoassay		Blood - Plasma	
Chemistry	C-reactive protein (CRP)		Enzyme immunoassay		Blood - Serum	
Chemistry	Creatine kinase (CK)		Spectrophotometry		Blood - Plasma	
Chemistry	Creatine kinase (CK)		Spectrophotometry		Blood - Serum	
Chemistry	Creatinine		Spectrophotometry		Blood - Plasma	
Chemistry	Creatinine	eGFR monitoring	Spectrophotometry		Blood - Plasma	
Chemistry	Creatinine		Spectrophotometry		Blood - Serum	

Chemistry	Creatinine	eGFR monitoring	Spectrophotometry		Blood - Serum	
Chemistry	Creatinine		Spectrophotometry		Fluid - other	*As per IH policy reporting any fluid
Chemistry	Creatinine		Spectrophotometry		Urine	
Chemistry	Creatinine	eGFR monitoring	Amperometry		Blood - Venous whole blood	
Chemistry	Cyclosporine		Immunoassay, chemiluminescence		Blood - Venous whole blood	
Chemistry	Digoxin		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Digoxin		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Estradiol		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Estradiol		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Ethanol		Colorimetric		Blood - Plasma	
Chemistry	Ethanol		Colorimetric		Blood - Serum	
Chemistry	Fentanyl		Immunoassay, lateral flow		Urine	
Chemistry	Ferritin		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Ferritin		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Follicle-stimulating hormone (FSH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Follicle-stimulating hormone (FSH)		Immunoassay, chemiluminescence		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		Colorimetric		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Blood - Serum	
Chemistry	Glucose		Colorimetric		Fluid - other	*As per IH policy reporting any fluid
Chemistry	Glucose		Amperometry		Blood - Venous whole blood	
Chemistry	Glucose		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Glucose		Colorimetric		Urine	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay		Blood - Plasma	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay		Blood - Serum	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay		Urine	
Chemistry	Iron, total		Colorimetric		Blood - Plasma	
Chemistry	Iron, total		Colorimetric		Blood - Serum	
Chemistry	Lactate		Amperometry		Blood - Arterial whole blood	
Chemistry	Lactate		Colorimetric		Blood - Plasma	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate		Colorimetric		Fluid - Other	*As per IH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Blood - Plasma	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Blood - Serum	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Fluid - Other	*As per IH policy reporting any fluid approved by Medical Biochemist
Chemistry	Lipase		Spectrophotometry		Blood - Plasma	
Chemistry	Lipase		Spectrophotometry		Blood - Serum	

Chemistry	Lithium		Colorimetric		Blood - Serum	
Chemistry	Luteinizing hormone (LH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Luteinizing hormone (LH)		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Magnesium		Colorimetric		Blood - Plasma	
Chemistry	Magnesium		Colorimetric		Blood - Serum	
Chemistry	Magnesium		Colorimetric		Urine	
Chemistry	Methadone		Immunoassay, lateral flow		Urine	
Chemistry	Methamphetamine		Immunoassay, lateral flow		Urine	
Chemistry	Methylenedioxy- methamphetamine		Immunoassay, lateral flow		Urine	
Chemistry	Opiate		Immunoassay, lateral flow		Urine	
Chemistry	Osmolality		Other, specify	Freezing point depression	Blood - Plasma	
Chemistry	Osmolality		Other, specify	Freezing point depression	Blood - Serum	
Chemistry	Osmolality		Other, specify	Freezing point depression	Urine	
Chemistry	Other, specify	Bilirubin, Neonatal	Colorimetric		Blood - Plasma	
Chemistry	Other, specify	Bilirubin, unconjugated	Colorimetric		Blood - Plasma	
Chemistry	Other, specify	Bilirubin, unconjugated	Colorimetric		Blood - Serum	
Chemistry	Other, specify	Bilirubin, Neonatal	Colorimetric		Blood - Serum	
Chemistry	Other, specify	pH	Potentiometry		Fluid - Other	
Chemistry	Other, specify	Sweat Conductivity	Other, specify	Conductivity	Sweat	
Chemistry	Oximetry		Spectrophotometry		Blood - Venous whole blood	
Chemistry	Oximetry		Spectrophotometry		Blood - Arterial whole blood	
Chemistry	Oxycodone		Immunoassay, lateral flow		Urine	
Chemistry	Parathyroid hormone (PTH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Phenytoin		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Phosphorus		Colorimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Blood - Serum	
Chemistry	Phosphorus		Colorimetric		Urine	
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	Potassium		Potentiometry		Urine	
Chemistry	Progesterone		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Progesterone		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Prolactin		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Prolactin		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Prostate specific antigen (PSA), total		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Blood - Plasma	
Chemistry	Protein, total		Colorimetric		Fluid - other	*As per IH policy reporting any fluid
Chemistry	Protein, total		Colorimetric		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Protein, total		Colorimetric		Urine	
Chemistry	ROM - Fetal fibronectin (FN)		Immunochromatography		Amniocytes	
Chemistry	Salicylate		Colorimetric		Blood - Plasma	

Chemistry	Salicylate		Colorimetric		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	Sodium		Potentiometry		Urine	
Chemistry	T4, free		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	T4, free		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Testosterone		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Testosterone		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Total iron-binding capacity (TIBC)		Spectrophotometry		Blood - Plasma	
Chemistry	Total iron-binding capacity (TIBC)		Spectrophotometry		Blood - Serum	
Chemistry	Triglycerides		Colorimetric		Blood - Plasma	
Chemistry	Triglycerides		Colorimetric		Fluid - other	*As per IH policy reporting any fluid
Chemistry	Triglycerides		Colorimetric		Blood - Serum	
Chemistry	Troponin I		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Troponin I		ELISA (Enzyme-linked immunosorbent assay)		Blood - Venous whole blood	
Chemistry	Urea		Colorimetric		Blood - Plasma	
Chemistry	Urea		Colorimetric		Blood - Serum	
Chemistry	Urea		Colorimetric		Urine	
Chemistry	Uric acid		Colorimetric		Fluid - Other	*As per IH policy reporting any fluid
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Blood - Serum	
Chemistry	Uric acid		Colorimetric		Urine	
Chemistry	Urinalysis, macroscopic		Dipstick		Urine	
Chemistry	Urinalysis, microscopic		Microscopy - Phase contrast		Urine	
Chemistry	Valproic Acid		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Valproic Acid		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Vancomycin		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Vancomycin		Immunoassay, chemiluminescence		Blood - Serum	
Hematology	Activated partial thromboplastin time		Photometric		Blood - Plasma	
Hematology	Blood parasite antigen detection		Immunoassay, lateral flow		Blood - Venous whole blood	
Hematology	Blood parasite identification		Routine Blood Cell staining (example:		Blood - Venous whole blood	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance		Fluid - Cerebrospinal	
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 - Pericardial	
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, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Other	Ascites

Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Other	Other fluids require approval by pathologist.
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - Cerebrospinal	
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - Pleural	
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - Pericardial	
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - Peritoneal	
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - Synovial	
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - other	Ascites
Hematology	Body fluid cell count, manual		Microscopy - Phase contrast		Fluid - other	Other fluids require approval by pathologist.
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Blood - Venous whole blood	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW,		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	Cryoglobulin		Manual		Blood - Serum	
Hematology	D-dimer		Immunoturbidometric		Blood - Plasma	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Urine	
Hematology	Erythrocyte sedimentation rate (ESR)		Westergren method		Blood - Venous whole blood	
Hematology	Fibrinogen		Photometric		Blood - Plasma	
Hematology	Infectious mononucleosis		Immunoassay, lateral flow		Blood - Serum	
Hematology	International normalized ratio (INR)		Photometric		Blood - Plasma	
Hematology	Other, specify	Body Fluid Crystals	Microscopy - Polarization		Fluid - Synovial	
Hematology	Reticulocyte count (automated)		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	Semen analysis, Complete - Count, Morphology, Motility		Microscopy - Phase contrast		Semen	
Hematology	Semen analysis, Post Vasectomy - presence/absence		Microscopy - Phase contrast		Semen	
POCT	Amphetamine		Immunoassay, lateral flow		Urine	
POCT	Benzodiazepines		Immunoassay, lateral flow		Urine	
POCT	Blood Gases – pCO2		Potentiometry		Blood - Arterial whole blood	

POCT	Blood gases – pCO2		Potentiometry		Blood - Venous whole blood	
POCT	Blood gases – pH		Potentiometry		Blood - Arterial whole blood	
POCT	Blood Gases – pH		Potentiometry		Blood - Venous whole blood	
POCT	Blood gases – pO2		Amperometry		Blood - Arterial whole blood	
POCT	Blood gases – pO2		Amperometry		Blood - Venous whole blood	
POCT	Calcium, ionized		Potentiometry		Blood - Arterial whole blood	
POCT	Calcium, ionized		Potentiometry		Blood - Venous whole blood	
POCT	Chloride		Potentiometry		Blood - Arterial whole blood	
POCT	Chloride		Potentiometry		Blood - Venous whole blood	
POCT	CO2, total		Potentiometry		Blood - Venous whole blood	
POCT	Cocaine derivatives		Immunoassay, lateral flow		Urine	
POCT	Fentanyl		Immunoassay, lateral flow		Urine	
POCT	Glucose		Electrochemistry		Blood - Venous whole blood	
POCT	Glucose		Amperometry		Blood - Venous whole blood	
POCT	Hematocrit (HCT)		Other, specify	Conductivity	Blood - Venous whole blood	
POCT	Human chorionic gonadotropin (hCG)		Immunoassay		Urine	
POCT	Lactate		Amperometry		Blood - Venous whole blood	
POCT	Lactate		Amperometry		Blood - Arterial whole blood	
POCT	Methadone metabolite (EDDP)		Immunoassay, lateral flow		Urine	
POCT	Opiates		Immunoassay, lateral flow		Urine	
POCT	Other, specify	Buprenorphine	Immunoassay, lateral flow		Urine	
POCT	Oxycodone		Immunoassay, lateral flow		Urine	
POCT	Potassium		Potentiometry		Blood - Venous whole blood	
POCT	Potassium		Potentiometry		Blood - Arterial whole blood	
POCT	Sodium		Potentiometry		Blood - Venous whole blood	
POCT	Sodium		Potentiometry		Blood - Arterial whole blood	
POCT	Urinalysis, macroscopic		Dipstick		Urine	
Sample Collection	Sample Collection		Venous and Capillary		Whole Blood	
Sample Collection	Sample Processing		Receipt, accessioning, storage, transportation		Blood, fluids, stool, tissues, swabs, foreign bodies	
Transfusion Medicine	ABO grouping		Automated blood banking test system		Blood - Venous whole blood	

Transfusion Medicine	ABO grouping		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Antibody investigation		Automated blood banking test system		Blood - Plasma	
Transfusion Medicine	Antibody investigation		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Antibody screening		Automated blood banking test system		Blood - Plasma	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Compatibility testing		Automated blood banking test system		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 - Manual		Blood - Venous whole blood	
Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – qualitative		Serological - Manual	Fetal screen	Blood - Venous whole blood	
Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – quantitative		Microscopy - Bright Field	Kleihauer-Betke	Blood - Venous whole blood	
Transfusion Medicine	Other, specify	Antibody Titre, Anti-A	Serological - Manual		Blood - Plasma	
Transfusion Medicine	Phenotyping	Red blood cell antigen typing	Automated blood banking test system		Blood - Venous whole blood	
Transfusion Medicine	Phenotyping	Red blood cell antigen typing	Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Rh (D) typing		Automated blood banking test system		Blood - Venous whole blood	
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Store and Issue Blood Products					