



DIAGNOSTIC ACCREDITATION PROGRAM

College of Physicians and Surgeons of BC

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Laboratory Medicine – Scope of Accreditation

Facility name	Cowichan District Hospital
Facility address	3045 Gibbins Road, Duncan, BC, V9L 1E5
Facility code	0705LM
Corporate entity/health authority	Island Health
Accreditation	Full Accreditation
Effective date	2018-05-08
Expiry date	2023-05-08
Laboratory Standards	Version 1.3

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	
Chemistry	Acetaminophen		Enzyme immunoassay		Blood - Plasma	
Chemistry	Alanine Aminotransferase (ALT)		Colorimetric		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Fluid - Peritoneal	
Chemistry	Albumin		Colorimetric		Fluid - Other	Ascites Fluid
Chemistry	Alkaline phosphatase		Colorimetric		Blood - Plasma	
Chemistry	Amphetamine		Lateral Flow Immunoassay		Urine	
Chemistry	Aspartate Aminotransferase (AST)		Colorimetric		Blood - Plasma	
Chemistry	Benzodiazepines		Lateral Flow Immunoassay		Urine	
Chemistry	Bilirubin, direct		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Blood - Cord	
Chemistry	Bilirubin, total		Colorimetric		Fluid - Peritoneal	
Chemistry	Bilirubin, total		Colorimetric		Fluid - Other	Jackson Pratt (JP) Drainage
Chemistry	Bilirubin, total	Neonatal Bilirubin	Colorimetric		Blood - Plasma	
Chemistry	Blood gases – pCO2		Potentiometry		Blood - Cord	
Chemistry	Blood gases – pCO2		Potentiometry		Blood - Venous whole blood	
Chemistry	Blood gases – pCO2		Potentiometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pCO2		Potentiometry		Other, specify	Capillary - Whole Blood
Chemistry	Blood gases – pH		Potentiometry		Blood - Cord	
Chemistry	Blood gases – pH		Amperometry		Blood - Venous whole blood	
Chemistry	Blood gases – pH		Potentiometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pH		Potentiometry		Other, specify	Capillary - Whole Blood
Chemistry	Blood gases – pH		Potentiometry		Fluid - Pleural	
Chemistry	Blood gases – pH		Potentiometry		Blood - Venous whole blood	
Chemistry	Blood gases – pO2		Amperometry		Blood - Cord	
Chemistry	Blood gases – pO2		Amperometry		Blood - Venous whole blood	
Chemistry	Blood gases – pO2		Amperometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pO2		Amperometry		Other, specify	Capillary - Whole Blood

Chemistry	Calcium, ionized		Potentiometry		Blood - Venous whole blood	
Chemistry	Calcium, total		Colorimetric		Blood - Plasma	
Chemistry	Calcium, total		Colorimetric		Urine	
Chemistry	Cannabinoids		Lateral Flow Immunoassay		Urine	
Chemistry	Chloride		Ion Selective Electrode		Blood - Venous whole blood	
Chemistry	Chloride		Ion Selective Electrode		Blood - Plasma	
Chemistry	Chloride		Ion Selective Electrode		Urine	
Chemistry	Chloride		Potentiometry		Blood - Venous whole blood	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, LDL		Other, specify	Calculated	Blood - Plasma	
Chemistry	Cholesterol, total		Colorimetric		Blood - Plasma	
Chemistry	CO2, total		Colorimetric		Blood - Venous whole blood	
Chemistry	CO2, total		Colorimetric		Blood - Plasma	
Chemistry	CO2, total		Potentiometry		Blood - Venous whole blood	
Chemistry	Cocaine derivatives		Lateral Flow Immunoassay		Urine	
Chemistry	C-reactive protein (CRP)		Turbidimetry		Blood - Serum	
Chemistry	Creatine kinase (CK)		Colorimetric		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Blood - Plasma	
Chemistry	Creatinine		Colorimetric		Fluid - Peritoneal	
Chemistry	Creatinine		Colorimetric		Fluid - Other	Jackson Pratt (JP) Drainage
Chemistry	Creatinine		Colorimetric		Fluid - Other	Peritoneal Dialysate
Chemistry	Creatinine		Colorimetric		Urine	
Chemistry	Creatinine		Electrochemistry		Blood - Venous whole blood	
Chemistry	Digoxin		Immunoassay, chemiluminescence		Blood - Serum	
Chemistry	Ethanol		Enzymology		Blood - Plasma	
Chemistry	Fentanyl		Lateral Flow Immunoassay		Urine	
Chemistry	Gamma-glutamyl transferase (GGT)		Colorimetric		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Glucose		Colorimetric		Blood - Venous whole blood	
Chemistry	Glucose		Colorimetric		Fluid - Other	Peritoneal Dialysate
Chemistry	Glucose		Amperometry		Blood - Venous whole blood	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Blood - Serum	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay,		Blood - Serum	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	Lactate		Colorimetric		Blood - Plasma	
Chemistry	Lactate		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Lactate		Colorimetric		Blood - Venous whole blood	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Blood - Plasma	
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Lactate dehydrogenase (LD)		Colorimetric		Fluid - Pleural	
Chemistry	Lipase		Colorimetric		Blood - Plasma	
Chemistry	Lipase		Colorimetric		Fluid - Peritoneal	
Chemistry	Lipase		Colorimetric		Fluid - Other	Jackson Pratt (JP) Drainage
Chemistry	Lipase		Colorimetric		Fluid - Other	Pancreatic Cyst
Chemistry	Magnesium		Colorimetric		Blood - Plasma	

Chemistry	Magnesium		Colorimetric		Urine	
Chemistry	Methadone metabolite (EDDP)		Lateral Flow Immunoassay		Urine	
Chemistry	Occult blood – guaiac		Colorimetric		Stool	
Chemistry	Osmolality		Other, specify	Freezing Point Depression	Blood - Serum	
Chemistry	Osmolality		Other, specify	Freezing Point Depression	Urine	
Chemistry	Other, specify	Morphine	Lateral Flow Immunoassay		Urine	
Chemistry	Other, specify	Buprenorphine	Lateral Flow Immunoassay		Urine	
Chemistry	Other, specify	eGFR	Other, specify	Calculated	Blood - Plasma	
Chemistry	Oximetry		Colorimetric		Blood - Arterial whole blood	
Chemistry	Oxycodone		Lateral Flow Immunoassay		Urine	
Chemistry	Phenytoin		Enzyme immunoassay		Blood - Serum	
Chemistry	Phosphorus		Colorimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Urine	
Chemistry	Potassium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Potassium		Potentiometry		Blood - Venous whole blood	
Chemistry	Potassium		Ion Selective Electrode		Urine	
Chemistry	Protein, total		Colorimetric		Blood - Plasma	
Chemistry	Protein, total		Colorimetric		Fluid - Pleural	
Chemistry	Protein, total		Colorimetric		Urine	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	ROM - Insulin-like Growth Factor Binding Protein -1 (IGFBP-1)		Immunochromatography		Swab	
Chemistry	Salicylate		Colorimetric		Blood - Plasma	
Chemistry	Sodium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Venous whole blood	
Chemistry	Sodium		Ion Selective Electrode		Urine	
Chemistry	Triglycerides		Colorimetric		Blood - Plasma	
Chemistry	Triglycerides		Colorimetric		Fluid - Pleural	
Chemistry	Troponin I		Enzyme immunoassay		Blood - Plasma	
Chemistry	Troponin I		Amperometry		Blood - Venous whole blood	
Chemistry	Urea		Colorimetric		Blood - Plasma	
Chemistry	Urea		Colorimetric		Fluid - Other	Dialysate
Chemistry	Urea		Colorimetric		Fluid - Other	Peritoneal Dialysate
Chemistry	Urea		Colorimetric		Urine	
Chemistry	Urea		Potentiometry		Blood - Venous whole blood	
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Urine	
Chemistry	Urinalysis, macroscopic		Other, specify	Reflectance Photometry	Urine	
Chemistry	Urinalysis, microscopic		Microscopy - Bright Field		Urine	
Chemistry	Valproic acid		Enzyme immunoassay		Blood - Serum	
Hematology	Activated partial thromboplastin time (aPTT)		Photometric		Blood - Plasma	
Hematology	Blood parasite antigen detection		Lateral Flow Immunoassay		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 - Peritoneal	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance		Fluid - Pleural	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Synovial	
Hematology	Body fluid cell count, manual		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Cerebrospinal	
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		Blood - Venous whole blood	
Hematology	Cell identification / morphology - Routine stain(s)		Microscopy - Bright Field		Fluid - Cerebrospinal	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW, Platelet Count, PDW, WBC		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	D-dimer		Immunoassay		Blood - Plasma	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Urine	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Sputum	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Stool	
Hematology	Eosinophils, in secretions and excretions		Routine Blood Cell staining (example: Wright/Giemsa)		Swab	
Hematology	Erythrocyte sedimentation rate (ESR)		Westergren method		Blood - Venous whole blood	
Hematology	Fibrinogen		Photometric		Blood - Plasma	
Hematology	Hemoglobin (Hb)		Other, specify	Conductivity	Blood - Venous whole blood	
Hematology	Infectious mononucleosis		Lateral Flow Immunoassay		Blood - Venous whole blood	
Hematology	International normalized ratio (INR)		Other, specify	Calculated	Blood - Plasma	
Hematology	Other, specify	Nucleated Red Blood Cells	Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	Reticulocyte count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	Reticulocyte count, manual		Special stains - Hematology		Blood - Venous whole blood	
Hematology	Semen analysis, Post Vasectomy -		Microscopy - Bright Field		Semen	
Hematology	Thrombin time		Photometric		Blood - Venous whole blood	
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 - Gel		Blood - Venous whole blood	
Transfusion Medicine	Antibody investigation		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Compatibility testing		Crossmatch - computer			

Transfusion Medicine	Compatibility testing		Crossmatch - serological		Blood - Venous whole blood	
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – qualitative		Other, specify	Rosette	Blood - Venous whole blood	
Transfusion Medicine	Phenotyping		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Rh (D) typing		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Rh (D) typing		Serological - Gel		Blood - Cord	
Transfusion Medicine	Store and Issue Blood Products					