

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	2023-08-31
Expiry date	2027-05-03
Laboratory Standard	Version 1.6

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	Acetaminophen	Colorimetric	Blood - Plasma
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Plasma
Chemistry	Albumin	Colorimetric	Blood - Plasma
Chemistry	Albumin	Colorimetric	Fluid - Ascites
Chemistry	Albumin	Colorimetric	Fluid - Peritoneal
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Plasma
Chemistry	Amphetamine	Immunoassay, lateral flow	Urine
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Plasma
Chemistry	Benzodiazepines	Immunoassay, lateral flow	Urine
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, Neonatal	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Blood - Cord
Chemistry	Bilirubin, total	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Fluid - Drainage
Chemistry	Bilirubin, total	Colorimetric	Fluid - Peritoneal
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	Amperometry	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 – pH	Potentiometry	Fluid - Pleural
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	Buprenorphine	Immunoassay, lateral flow	Urine
Chemistry	Calcium, ionized	Potentiometry	Blood - Venous whole blood
Chemistry	Calcium, total	Spectrophotometry	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Calcium, total	Spectrophotometry	Urine
Chemistry	Cannabinoids	Immunoassay, lateral flow	Urine
Chemistry	Chloride	Potentiometry	Blood - Plasma
Chemistry	Chloride	Potentiometry	Blood - Venous whole blood
Chemistry	Chloride	Potentiometry	Urine
Chemistry	Cholesterol, HDL	Colorimetric	Blood - Plasma
Chemistry	Cholesterol, LDL	Calculated	Blood - Plasma
Chemistry	Cholesterol, total	Colorimetric	Blood - Plasma
Chemistry	CO ₂ , total	Potentiometry	Blood - Venous whole blood
Chemistry	CO ₂ , total	Spectrophotometry	Blood - Plasma
Chemistry	Cocaine derivatives	Immunoassay, lateral flow	Urine
Chemistry	Co-Oximetry	Colorimetric	Blood - Arterial whole blood
Chemistry	C-reactive protein (CRP)	Immunoturbidometry	Blood - Serum
Chemistry	Creatine kinase (CK)	Spectrophotometry	Blood - Plasma
Chemistry	Creatinine	Amperometry	Blood - Venous whole blood
Chemistry	Creatinine	Spectrophotometry	Blood - Plasma
Chemistry	Creatinine	Spectrophotometry	Fluid - Drainage
Chemistry	Creatinine	Spectrophotometry	Fluid - Peritoneal
Chemistry	Creatinine	Spectrophotometry	Fluid - Peritoneal Dialysate
Chemistry	Creatinine	Spectrophotometry	Urine
Chemistry	Digoxin	Immunoassay, chemiluminescence	Blood - Serum
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Plasma
Chemistry	Ethanol	Spectrophotometry	Blood - Plasma
Chemistry	Fentanyl	Immunoassay, lateral flow	Urine
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Plasma
Chemistry	Glucose	Amperometry	Blood - Venous whole blood
Chemistry	Glucose	Spectrophotometry	Blood - Plasma
Chemistry	Glucose	Spectrophotometry	Fluid - Cerebrospinal
Chemistry	Glucose	Spectrophotometry	Fluid - Peritoneal Dialysate
Chemistry	Human chorionic gonadotropin	Immunoassay, lateral flow	Blood - Serum
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Serum
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	Fluid - Cerebrospinal
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Fluid - Pleural
Chemistry	Lipase	Colorimetric	Blood - Plasma
Chemistry	Lipase	Colorimetric	Fluid - Cyst
Chemistry	Lipase	Colorimetric	Fluid - Drainage
Chemistry	Lipase	Colorimetric	Fluid - Peritoneal
Chemistry	Magnesium	Spectrophotometry	Blood - Plasma
Chemistry	Magnesium	Spectrophotometry	Urine
Chemistry	Methadone metabolite (EDDP)	Immunoassay, lateral flow	Urine
Chemistry	Morphine	Immunoassay, lateral flow	Urine
Chemistry	Occult Blood - guaiac (gFOBT)	Oxidization (Guaiac)	Stool

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Osmolality	Freezing point depression	Blood - Serum
Chemistry	Osmolality	Freezing point depression	Urine
Chemistry	Oxycodone	Immunoassay, lateral flow	Urine
Chemistry	Phenytoin	Enzyme immunoassay (EIA)	Blood - Serum
Chemistry	Phosphorus	Colorimetric	Blood - Plasma
Chemistry	Phosphorus	Colorimetric	Urine
Chemistry	Potassium	Ion Selective Electrode (ISE)	Blood - Plasma
Chemistry	Potassium	Ion Selective Electrode (ISE)	Urine
Chemistry	Potassium	Potentiometry	Blood - Venous whole blood
Chemistry	Protein, total	Colorimetric	Blood - Plasma
Chemistry	Protein, total	Colorimetric	Fluid - Cerebrospinal
Chemistry	Protein, total	Colorimetric	Fluid - Pleural
Chemistry	Protein, total	Colorimetric	Urine
Chemistry	ROM - Insulin-like Growth Factor	Immunoassay, lateral flow	Swab
Chemistry	Salicylate	Spectrophotometry	Blood - Plasma
Chemistry	Sodium	Ion Selective Electrode (ISE)	Blood - Plasma
Chemistry	Sodium	Ion Selective Electrode (ISE)	Urine
Chemistry	Sodium	Potentiometry	Blood - Venous whole blood
Chemistry	Triglycerides	Colorimetric	Blood - Plasma
Chemistry	Triglycerides	Colorimetric	Fluid - Pleural
Chemistry	Troponin I	Amperometry	Blood - Venous whole blood
Chemistry	Troponin I	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Urea	Potentiometry	Blood - Venous whole blood
Chemistry	Urea	Spectrophotometry	Blood - Plasma
Chemistry	Urea	Spectrophotometry	Fluid - Dialysate
Chemistry	Urea	Spectrophotometry	Fluid - Peritoneal Dialysate
Chemistry	Urea	Spectrophotometry	Urine
Chemistry	Uric acid	Spectrophotometry	Blood - Plasma
Chemistry	Uric acid	Spectrophotometry	Urine
Chemistry	Urinalysis, macroscopic	Reflectance Photometry	Urine
Chemistry	Urinalysis, microscopic	Microscopy - Bright Field	Urine
Chemistry	Valproic acid	Enzyme immunoassay (EIA)	Blood - Serum
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	Stains, Routine	Blood - Venous whole blood
Hematology	Bone Marrow collection	N/A	Bone marrow
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance	Fluid - Cerebrospinal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance	Fluid - Peritoneal
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance	Fluid - Pleural
Hematology	Cell Count, Red Blood Cell (RBC)	Flow cytometry & Impedance counting & Turbidimetric, combined	Fluid - Synovial
Hematology	Cell Count, Reticulocyte	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
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 - Peritoneal
Hematology	Cell Count, White Blood Cell (WBC)	Flow cytometry & Impedance	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 morphology - Routine stain(s)	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Cerebrospinal
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Peritoneal
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Pleural
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Fluid - Synovial
Hematology	Complete Blood Count (CBC) - 5 part differential	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
Hematology	D-dimer	Immunoassay	Blood - Plasma
Hematology	Eosinophils in secretions, excretions and other body fluids	Stains, Routine	Sputum
Hematology	Eosinophils in secretions, excretions and other body fluids	Stains, Routine	Stool
Hematology	Eosinophils in secretions, excretions and other body fluids	Stains, Routine	Swab
Hematology	Eosinophils in secretions, excretions and other body fluids	Stains, Routine	Urine
Hematology	Fibrinogen	Photometric	Blood - Plasma
Hematology	Hemoglobin (Hb)	Conductivity	Blood - Venous whole blood
Hematology	Infectious mononucleosis	Immunoassay, lateral flow	Blood - Venous whole blood
Hematology	International normalized ratio (INR)	Calculated	Blood - Plasma
Hematology	Nucleated Red Blood Cells (nRBC)	Stains, Routine	Blood - Venous whole blood
Hematology	Semen analysis, Post Vasectomy -	Microscopy - Bright Field	Fluid - Semen
Hematology	WBC differential	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Cerebrospinal
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Peritoneal
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Pleural

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	WBC differential	Microscopy - Bright Field	Fluid - Synovial
Hematology	WBC differential	Stains, Routine	Blood - Venous whole blood
POCT	Glucose	Electrochemistry	Blood - Capillary whole blood
POCT	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
POCT	Urinalysis, macroscopic	Reflectance Photometry	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
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 - 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	N/A
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	Rosette Test	Blood - Venous whole blood
Transfusion Medicine	Phenotyping	Serological - Gel	Blood - Venous whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Transfusion Medicine	Receipt, Storage and Issue Blood Products	N/A	N/A
Transfusion Medicine	Rh (D) typing	Serological - Gel	Blood - Cord
Transfusion Medicine	Rh (D) typing	Serological - Gel	Blood - Venous whole blood