

Laboratory Medicine – Scope of Accreditation

Facility name	qathet General Hospital
Facility address	5000 Joyce Avenue, Powell River BC V8A 5R3
Facility code	0604LM
Corporate entity/health authority	Vancouver Coastal Health
Accreditation	Full Accreditation - ISO 15189
Effective date	2023-06-07
Expiry date	2026-04-28
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)	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		Spectrophotometry		Blood - Plasma	
Chemistry	Alanine Aminotransferase (ALT)		Spectrophotometry		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Blood - Plasma	
Chemistry	Albumin		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with
Chemistry	Alkaline phosphatase		Spectrophotometry		Blood - Plasma	
Chemistry	Alkaline phosphatase		Colorimetric		Blood - Plasma	
Chemistry	Amphetamine		Lateral Flow Immunoassay		Urine	
Chemistry	Aspartate Aminotransferase (AST)		Spectrophotometry		Blood - Plasma	
Chemistry	Barbiturates		Lateral Flow Immunoassay		Urine	
Chemistry	Benzodiazepines		Lateral Flow Immunoassay		Urine	
Chemistry	Bilirubin, direct		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Blood - Plasma	
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 – pH		Potentiometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Blood gases – pO2		Amperometry		Blood - Arterial whole blood	
Chemistry	Blood gases – pO2		Amperometry		Blood - Venous whole blood	
Chemistry	Calcium, ionized		Potentiometry		Blood - Serum	
Chemistry	Calcium, total		Colorimetric		Blood - Plasma	
Chemistry	Calcium, total		Colorimetric		Urine	
Chemistry	Cannabinoids		Lateral Flow Immunoassay		Urine	
Chemistry	Chloride		Ion Selective Electrode		Blood - Plasma	
Chemistry	Chloride		Potentiometry		Blood - Plasma	
Chemistry	Chloride		Colorimetric		Blood - Plasma	
Chemistry	Chloride		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Chloride		Ion Selective Electrode		Urine	
Chemistry	Cholesterol, HDL		Colorimetric		Blood - Plasma	
Chemistry	Cholesterol, LDL		Other, specify	Calculated	Blood - Plasma	
Chemistry	Cholesterol, total		Colorimetric		Blood - Plasma	
Chemistry	CO2, total		Other, specify	Calculated	Blood - Arterial whole blood	
Chemistry	CO2, total		Spectrophotometry		Blood - Plasma	
Chemistry	CO2, total		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Cocaine derivatives		Lateral Flow Immunoassay		Urine	
Chemistry	C-reactive protein (CRP)		Turbidimetry		Blood - Plasma	
Chemistry	Creatine kinase (CK)		Spectrophotometry		Blood - Plasma	

Chemistry	Creatinine		Colorimetric		Blood - Plasma	
Chemistry	Creatinine		Potentiometry		Blood - Plasma	
Chemistry	Creatinine		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Creatinine		Colorimetric		Urine	
Chemistry	Digoxin		Spectrophotometry		Blood - Plasma	
Chemistry	Ethanol		Spectrophotometry		Blood - Plasma	
Chemistry	Fentanyl		Lateral Flow Immunoassay		Urine	
Chemistry	Ferritin		Immunoassay		Blood - Plasma	
Chemistry	Gamma-glutamyl transferase (GGT)		Spectrophotometry		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Blood - Plasma	
Chemistry	Glucose		Potentiometry		Blood - Plasma	
Chemistry	Glucose		Spectrophotometry		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Glucose		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Glucose		Colorimetric		Urine	
Chemistry	Hemoglobin A1c		Colorimetric		Blood - Venous whole blood	
Chemistry	Human chorionic gonadotropin (hCG)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	Iron, total		Colorimetric		Blood - Serum	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings

Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Blood - Plasma	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Lipase		Spectrophotometry		Blood - Plasma	
Chemistry	Lipase		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Lithium		Colorimetric		Blood - Serum	
Chemistry	Magnesium		Colorimetric		Blood - Plasma	
Chemistry	Magnesium		Spectrophotometry		Blood - Plasma	
Chemistry	Magnesium		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Magnesium		Colorimetric		Urine	
Chemistry	Methadone		Lateral Flow Immunoassay		Urine	
Chemistry	Methadone metabolite (EDDP)		Lateral Flow Immunoassay		Urine	
Chemistry	Methamphetamine		Lateral Flow Immunoassay		Urine	
Chemistry	Methylenedioxy- methamphetamine (MDMA)		Lateral Flow Immunoassay		Urine	
Chemistry	Opiates		Lateral Flow Immunoassay		Urine	
Chemistry	Osmolality		Osmometry	freezing point depression	Blood - Plasma	
Chemistry	Osmolality		Osmometry	freezing point depression	Urine	
Chemistry	Other, specify	eGFR	Other, specify	Calculated	Blood - Plasma	
Chemistry	Other, specify	morphine	Lateral Flow Immunoassay		Urine	
Chemistry	Other, specify	tricyclic antidepressants	Lateral Flow Immunoassay		Urine	
Chemistry	Oximetry		Oximetry		Blood - Venous whole blood	
Chemistry	Oxycodone		Lateral Flow Immunoassay		Urine	

Chemistry	Phenytoin		Turbidimetry		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Blood - Plasma	
Chemistry	Phosphorus		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Phosphorus		Colorimetric		Urine	
Chemistry	Potassium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Potassium		Potentiometry		Blood - Plasma	
Chemistry	Potassium		Spectrophotometry		Blood - Plasma	
Chemistry	Potassium		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Potassium		Ion Selective Electrode		Urine	
Chemistry	Protein, total		Colorimetric		Blood - Plasma	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Protein, total		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	ROM - Fetal fibronectin (FN)		Lateral Flow Immunoassay		Swab	
Chemistry	Salicylate		Colorimetric		Blood - Plasma	
Chemistry	Sodium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Sodium		Potentiometry		Blood - Plasma	
Chemistry	Sodium		Colorimetric		Blood - Plasma	
Chemistry	Sodium		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Sodium		Ion Selective Electrode		Urine	

Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Total iron-binding capacity (TIBC)		Colorimetric		Blood - Serum	
Chemistry	Triglycerides		Colorimetric		Blood - Plasma	
Chemistry	Troponin I		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Troponin I		Amperometry		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Urea		Spectrophotometry		Urine	
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director, with comment: Testing on fluids has not been validated and reference ranges are not available. Interpret with caution and in consideration of the clinical findings
Chemistry	Uric acid		Colorimetric		Urine	
Chemistry	Urinalysis, macroscopic		Other, specify	Reflectance Photometry	Urine	
Chemistry	Urinalysis, microscopic		Microscopy - Phase contrast		Urine	
Chemistry	Vancomycin		Turbidimetry		Blood - Plasma	
Hematology	Activated partial thromboplastin time (aPTT)		Photometric		Blood - Plasma	
Hematology	Activated partial thromboplastin time (aPTT)		Other, specify	electromechanical	Blood - Plasma	
Hematology	Blood parasite antigen detection		Lateral Flow Immunoassay		Blood - Venous whole blood	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		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 - Pleural	
Hematology	Body fluid cell count, automated		Flow cytometry & Impedance counting & Turbidimetric, combined		Fluid - Synovial	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Cerebrospinal	

Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Peritoneal	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Pleural	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Synovial	
Hematology	Cell identification / morphology - Routine stain(s)		Routine Blood Cell staining (example: Wright/Giemsa)		Blood - Venous whole blood	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW, Platelet Count, PDW, WBC Absolute Differential		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW, Platelet Count, PDW, WBC Absolute Differential		Other, specify	Impedance counting & Turbidimetric combined	Blood - Venous whole blood	
Hematology	D-dimer		Immunoturbidometric		Blood - Plasma	
Hematology	Erythrocyte sedimentation rate (ESR)		Modified Westergren method		Blood - Venous whole blood	
Hematology	Fibrinogen		Photometric		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	International normalized ratio (INR)		Other, specify	electromechanical	Blood - Plasma	
Hematology	Other, specify	Fluid Crystals	Microscopy - Bright Field		Fluid - Synovial	Stained peripheral blood film
Hematology	Reticulocyte count, automated		Fluorescent stain		Blood - Venous whole blood	
Hematology	Semen analysis, Complete - Count, Morphology, Motility		Microscopy - Bright Field		Semen	
Hematology	Semen analysis, Post Vasectomy - presence/absence		Microscopy - Bright Field		Semen	
Hematology	WBC differential – manual		Routine Blood Cell staining (example: Wright/Giemsa)		Other, specify	Stained peripheral blood film
Microbiology	Gram stains		Gram Stain		Blood - Venous whole blood	
Microbiology	Gram stains		Gram Stain		Fluid - Cerebrospinal	
Microbiology	Gram stains		Gram Stain		Fluid - Synovial	
Microbiology	Viral identification		Nucleic Acid Amplification test (NAAT)		Swab	
POCT	Glucose		Electrochemistry		Other, specify	Capillary - Whole Blood
POCT	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
POCT	Urinalysis, macroscopic		Other, specify	Reflectance Photometry	Urine	
Transfusion Medicine	ABO grouping		Serological - Manual		Blood - Cord	
Transfusion Medicine	ABO grouping		Serological - Manual		Blood - Venous whole blood	

Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Cord	
Transfusion Medicine	Antibody screening		Serological - Manual		Blood - Cord	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Venous whole blood	
Transfusion Medicine	Antibody screening		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Compatibility testing		Crossmatch - computer		Blood - Venous whole blood	
Transfusion Medicine	Compatibility testing		Crossmatch - serological		Blood - Venous whole blood	
Transfusion Medicine	Direct antiglobulin test (DAT)		Serological - Manual		Blood - Red Cells	
Transfusion Medicine	Fetal maternal hemorrhage/fetal red cell detection – qualitative		Microscopy - Bright Field		Blood - Venous whole blood	
Transfusion Medicine	Other, specify	Modification of blood products				
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Cord	
Transfusion Medicine	Rh (D) typing		Serological - Manual		Blood - Venous whole blood	
Transfusion Medicine	Store and Issue Blood Products					