



Laboratory Medicine – Scope of Accreditation

Facility name	Richmond Hospital
Facility address	Room 2500, 7000 Westminister Hwy , Richmond, BC V6X 1A2
Facility code	0606LM
Corporate entity/health authority	Vancouver Coastal Health Authority
Accreditation	Full Accreditation
Effective date	2018-05-18
Expiry date	2023-02-27
Laboratory Standards	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)
Sample Collection	Sample Collection		Venous and Capillary		Whole Blood	
Sample Collection	Sample Processing		Receipt, accessioning, storage, transportation		Blood, fluids, stool, tissues, swabs, foreign bodies	
Anatomical Pathology	Fixation and Gross examination		Fixation and gross examination		Tissue - Fresh	
Anatomical Pathology	Fixation and Gross examination		Fixation and gross examination		Tissue - Formalin Fixed	
Anatomical Pathology	Intraoperative Consultations		Frozen section prep and staining		Tissue - Fresh	
Anatomical Pathology	Microtomy				Tissue - Formalin Fixed Paraffin Embedded	
Anatomical Pathology	Routine microscopy		Microscopy - Bright Field		Tissue - Formalin Fixed Paraffin Embedded	
Anatomical Pathology	Routine microscopy		Microscopy - Bright Field		Tissue - Frozen	
Anatomical Pathology	Tissue processing and embedding		Decalcification		Tissue - Formalin Fixed	
Anatomical Pathology	Tissue processing and embedding		Tissue processing (e.g. • block prep, embedding)		Tissue - Formalin Fixed	
Anatomical Pathology	Tissue staining, automated		Routine stains (example: Hemotoxylin & Eosin)		Tissue - Formalin Fixed Paraffin Embedded	
Anatomical Pathology	Tissue staining, manual		Special stains - Histochemistry		Tissue - Formalin Fixed Paraffin Embedded	
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
Chemistry	Alkaline phosphatase		Spectrophotometry		Blood - Plasma	
Chemistry	Alkaline phosphatase		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director

Chemistry	Ammonia		Spectrophotometry		Blood - Plasma	
Chemistry	Amphetamine		Lateral Flow Immunoassay		Urine	
Chemistry	Amylase		Spectrophotometry		Blood - Plasma	
Chemistry	Amylase		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Aspartate Aminotransferase (AST)		Spectrophotometry		Blood - Plasma	
Chemistry	Barbiturates		Lateral Flow Immunoassay		Urine	
Chemistry	Benzodiazepines		Lateral Flow Immunoassay		Urine	
Chemistry	Beta-hydroxybutyrate (BHB)		Enzyme immunoassay		Blood - Plasma	
Chemistry	Bilirubin, direct		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, direct		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Bilirubin, total		Colorimetric		Blood - Plasma	
Chemistry	Bilirubin, total		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
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 - Arterial whole blood	
Chemistry	Calcium, ionized		Potentiometry		Blood - Venous whole blood	
Chemistry	Calcium, total		Colorimetric		Blood - Plasma	
Chemistry	Calcium, total		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Cannabinoids		Lateral Flow Immunoassay		Urine	
Chemistry	Chloride		Ion Selective Electrode		Blood - Plasma	
Chemistry	Chloride		Ion Selective Electrode		Urine	
Chemistry	Chloride		Potentiometry		Blood - Arterial whole blood	
Chemistry	Chloride		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	CO2, total		Spectrophotometry		Blood - Plasma	
Chemistry	CO2, total		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
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		Amperometry		Blood - Arterial whole blood	
Chemistry	Creatinine		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Digoxin		Spectrophotometry		Blood - Plasma	
Chemistry	Ethanol		Spectrophotometry		Blood - Plasma	
Chemistry	Fentanyl		Lateral Flow Immunoassay		Urine	
Chemistry	Gamma-glutamyl transferase (GGT)		Spectrophotometry		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Blood - Plasma	
Chemistry	Glucose		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Glucose		Amperometry		Blood - Venous whole blood	
Chemistry	Glucose		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Human chorionic gonadotropin (hCG)		Spectrophotometry		Blood - Plasma	
Chemistry	Human chorionic gonadotropin (hCG)		Lateral Flow Immunoassay		Urine	
Chemistry	Lactate		Colorimetric		Blood - Plasma	
Chemistry	Lactate		Amperometry		Blood - Venous whole blood	
Chemistry	Lactate		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Blood - Plasma	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Fluid - Cerebrospinal	
Chemistry	Lactate dehydrogenase (LD)		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Lipase		Spectrophotometry		Blood - Plasma	
Chemistry	Lipase		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Magnesium		Colorimetric		Blood - Plasma	
Chemistry	Magnesium		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Methadone		Lateral Flow Immunoassay		Urine	
Chemistry	Blood gases – pH		Potentiometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Methamphetamine		Lateral Flow Immunoassay		Urine	
Chemistry	Methylenedioxy- methamphetamine (MDMA)		Lateral Flow Immunoassay		Urine	
Chemistry	Opiates		Lateral Flow Immunoassay		Urine	
Chemistry	Osmolality		Other, specify	Freezing point depression	Blood - Plasma	

Chemistry	Osmolality		Other, specify	Freezing point depression	Urine	
Chemistry	Other, specify	eGFR	Other, specify	Calculated	Blood - Plasma	
Chemistry	Other, specify	Tricyclic Antidepressants	Lateral Flow Immunoassay		Urine	
Chemistry	Oximetry		Oximetry		Blood - Arterial 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
Chemistry	Potassium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Potassium		Ion Selective Electrode		Urine	
Chemistry	Potassium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Potassium		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Protein, total		Colorimetric		Blood - Serum	
Chemistry	Protein, total		Colorimetric		Fluid - Cerebrospinal	
Chemistry	Protein, total		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	ROM - Fetal fibronectin (FN)		Lateral Flow Immunoassay		Swab	
Chemistry	Salicylate		Spectrophotometry		Blood - Plasma	
Chemistry	Sodium		Ion Selective Electrode		Blood - Plasma	
Chemistry	Sodium		Ion Selective Electrode		Urine	
Chemistry	Sodium		Potentiometry		Blood - Arterial whole blood	
Chemistry	Sodium		Ion Selective Electrode		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Thyroid-stimulating hormone (TSH)		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Troponin I		Immunoassay, chemiluminescence		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Blood - Plasma	
Chemistry	Urea		Spectrophotometry		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
Chemistry	Uric acid		Colorimetric		Blood - Plasma	
Chemistry	Uric acid		Colorimetric		Fluid - Other	As per VCH policy reporting any fluid approved by Medical Director
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	Blood parasite antigen detection		Lateral Flow Immunoassay		Blood - Venous whole blood	
Hematology	Blood parasite identification		Routine Blood Cell staining (example: Wright/Giemsa)		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 - Pleural	
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 - Synovial	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Cerebrospinal	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Pleural	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Peritoneal	
Hematology	Body fluid cell count, manual		Hemocytometer		Fluid - Synovial	
Hematology	Complete Blood Count (CBC) - WBC, RBC, Hb, HCT, MCV, MCH, MCHC,		Flow cytometry & Impedance counting & Turbidimetric, combined		Blood - Venous whole blood	
Hematology	D-dimer		Turbidimetric		Blood - Plasma	
Hematology	Erythrocyte sedimentation rate (ESR)		Westergren method		Blood - Venous whole blood	
Hematology	Fibrinogen		Photometric		Blood - Plasma	
Hematology	Infectious mononucleosis		Lateral Flow Immunoassay		Blood - Serum	
Hematology	International normalized ratio (INR)		Other, specify	Calculated	Blood - Plasma	
Hematology	Other, specify	Fluid Crystals	Microscopy - Polarization		Fluid - Synovial	
Hematology	Reticulocyte count, automated		Flow Cytometry		Blood - Venous whole blood	
Hematology	Thrombin time		Turbidimetric		Blood - Plasma	
Microbiology	Viral identification		Real-time PCR		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		
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 screening		Automated blood banking test system		Blood - Plasma	
Transfusion Medicine	Antibody screening		Serological - Gel		Blood - Plasma	
Transfusion Medicine	Antibody screening		Serological - Manual		Blood - Plasma	
Transfusion Medicine	Compatibility testing		Automated blood banking test system		Blood - Plasma	
Transfusion Medicine	Compatibility testing		Serological - Gel		Blood - Plasma	

Transfusion Medicine	Compatibility testing		Serological - Manual		Blood - Plasma	
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	Phenotyping		Serological - Manual		Blood - Red Cells	
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					