COLLEGE OF PHYSICIANS AND SURGEONS OF BRITISH COLUMBIA

DIAGNOSTIC ACCREDITATION PROGRAM

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Laboratory Medicine – Scope of Accreditation

Facility name	Dr. Helmcken Memorial Hospital
Facility address	640 Park Drive, RR1 Clearwater, BC V0E 1N0
Facility code	0210LM
Corporate entity/health authority	Interior Health Authority
Accreditation	Full Accreditation
Effective date	2026-06-29
Expiry date	2030-06-18
Laboratory Standard	Version 2.0.1
Services	Pursuant to section 13-41(1) of the Bylaws under the Health Professions and Occupations Act (HPOA), SBC 2022, c. 43, this facility has been evaluated by the Diagnostic Accreditation Program and has been granted accreditation to perform the examinations listed in the table below.

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Sample Processing	Centrifugation	All sample types
Chemistry	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Chemistry	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Chemistry	Blood Gases – pCO2	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Arterial whole blood
Chemistry	Chloride	Potentiometry	Blood - Arterial whole blood
Chemistry	Lactate	Amperometry	Blood - Arterial whole blood
Chemistry	Potassium	Potentiometry	Blood - Arterial whole blood
Chemistry	Sodium	Potentiometry	Blood - Arterial whole blood
Chemistry	Blood gases – pO2	Amperometry	Blood - Arterial whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Capillary whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Capillary whole blood
Chemistry	CO2, total	Potentiometry	Blood - Capillary whole blood
Chemistry	Blood gases – pO2	Amperometry	Blood - Capillary whole blood
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Cord
Chemistry	Blood gases – pH	Potentiometry	Blood - Cord
Chemistry	CO2, total	Potentiometry	Blood - Cord
Chemistry	Blood gases – pO2	Amperometry	Blood - Cord

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Troponin I	Immunoassay, chemiluminescence	Blood - Plasma
Chemistry	Glucose	Spectrophotometry	Blood - Plasma
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Plasma
Chemistry	Bilirubin, total	Colorimetric	Blood - Plasma
Chemistry	Creatinine	Spectrophotometry	Blood - Plasma
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Plasma
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Plasma
Chemistry	Albumin	Colorimetric	Blood - Plasma
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Plasma
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Plasma
Chemistry	Calcium, total	Spectrophotometry	Blood - Plasma
Chemistry	Chloride	Potentiometry	Blood - Plasma
Chemistry	CO2, total	Spectrophotometry	Blood - Plasma
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Plasma
Chemistry	Lactate	Colorimetric	Blood - Plasma
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Plasma
Chemistry	Lipase	Colorimetric	Blood - Plasma
Chemistry	Magnesium	Spectrophotometry	Blood - Plasma
Chemistry	Phosphorus	Colorimetric	Blood - Plasma
Chemistry	Potassium	Potentiometry	Blood - Plasma
Chemistry	Protein, total	Colorimetric	Blood - Plasma
Chemistry	Sodium	Potentiometry	Blood - Plasma
Chemistry	Urea	Colorimetric	Blood - Plasma
Chemistry	Ethanol	Spectrophotometry	Blood - Plasma
Chemistry	Acetaminophen	Colorimetric	Blood - Plasma
Chemistry	Human chorionic gonadotropin (hCG) Quantitative	Immunoassay, chemiluminescence	Blood - Serum
Chemistry	Bilirubin, Conjugated	Colorimetric	Blood - Serum
Chemistry	Bilirubin, total	Colorimetric	Blood - Serum

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Creatinine	Spectrophotometry	Blood - Serum
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Serum
Chemistry	Alanine Aminotransferase (ALT)	Spectrophotometry	Blood - Serum
Chemistry	Albumin	Colorimetric	Blood - Serum
Chemistry	Alkaline phosphatase (ALP)	Spectrophotometry	Blood - Serum
Chemistry	Aspartate Aminotransferase (AST)	Spectrophotometry	Blood - Serum
Chemistry	Calcium, total	Spectrophotometry	Blood - Serum
Chemistry	Chloride	Potentiometry	Blood - Serum
Chemistry	CO2, total	Spectrophotometry	Blood - Serum
Chemistry	Gamma-glutamyl transferase (GGT)	Spectrophotometry	Blood - Serum
Chemistry	Glucose	Spectrophotometry	Blood - Serum
Chemistry	Lactate dehydrogenase (LDH)	Spectrophotometry	Blood - Serum
Chemistry	Lipase	Colorimetric	Blood - Serum
Chemistry	Magnesium	Spectrophotometry	Blood - Serum
Chemistry	Phosphorus	Colorimetric	Blood - Serum
Chemistry	Potassium	Potentiometry	Blood - Serum
Chemistry	Protein, total	Colorimetric	Blood - Serum
Chemistry	Sodium	Potentiometry	Blood - Serum
Chemistry	Urea	Spectrophotometry	Blood - Serum
Chemistry	Ethanol	Spectrophotometry	Blood - Serum
Chemistry	C-reactive protein (CRP)	Immunoturbidometry	Blood - Serum
Chemistry	Acetaminophen	Colorimetric	Blood - Serum
Chemistry	Salicylate	Spectrophotometry	Blood - Serum
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Blood - Serum
Chemistry	Blood gases – pCO2	Potentiometry	Blood - Venous whole blood
Chemistry	Blood gases – pH	Potentiometry	Blood - Venous whole blood
Chemistry	Chloride	Potentiometry	Blood - Venous whole blood
Chemistry	CO2, total	Potentiometry	Blood - Venous whole blood

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Chemistry	Creatinine	Amperometry	Blood - Venous whole blood
Chemistry	Glucose	Amperometry	Blood - Venous whole blood
Chemistry	Lactate	Amperometry	Blood - Venous whole blood
Chemistry	Potassium	Potentiometry	Blood - Venous whole blood
Chemistry	Sodium	Potentiometry	Blood - Venous whole blood
Chemistry	Urea	Potentiometry	Blood - Venous whole blood
Chemistry	Troponin I	Amperometry	Blood - Venous whole blood
Chemistry	estimated Glomerular Filtration Rate (eGFR)	Calculated	Blood - Venous whole blood
Chemistry	ROM - Fetal fibronectin (FN)	Immunochromatography	Swab
Chemistry	Urinalysis, macroscopic	Reflectance Photometry	Urine
Chemistry	Urinalysis, microscopic	Microscopy - Phase contrast	Urine
Chemistry	Amphetamine	Immunoassay, lateral flow	Urine
Chemistry	Benzodiazepines	Immunoassay, lateral flow	Urine
Chemistry	Cannabinoids	Immunoassay, lateral flow	Urine
Chemistry	Cocaine derivatives	Immunoassay, lateral flow	Urine
Chemistry	Methadone	Immunoassay, lateral flow	Urine
Chemistry	Methamphetamine	Immunoassay, lateral flow	Urine
Chemistry	Methylenedioxy-methamphetamine (MDMA)	Immunoassay, lateral flow	Urine
Chemistry	Opiates	Immunoassay, lateral flow	Urine
Chemistry	Oxycodone	Immunoassay, lateral flow	Urine
Chemistry	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
Hematology	Sample Processing	Centrifugation	All sample types
Hematology	Sample Processing	Centrifugation - Platelet Poor Plasma	All sample types
Hematology	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Hematology	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Hematology	D-Dimer	Immunoturbidometry	Blood - Plasma
Hematology	Activated partial thromboplastin time (aPTT)	Photometric	Blood - Plasma
Hematology	International normalized ratio (INR)	Photometric	Blood - Plasma

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Hematology	Infectious mononucleosis	Immunoassay, lateral flow	Blood - Serum
Hematology	International normalized ratio (INR)	Calculated	Blood - Venous whole blood
Hematology	Cell morphology - Routine stain(s)	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	WBC differential	Microscopy - Bright Field	Blood - Venous whole blood
Hematology	WBC differential	Stains, Routine	Blood - Venous whole blood
Hematology	Blood parasite identification	Stains, Routine	Blood - Venous whole blood
Hematology	Blood parasite antigen detection	Immunoassay, lateral flow	Blood - Venous whole blood
Hematology	Complete Blood Count (CBC) - 5 part differential	Flow cytometry & Impedance counting & Turbidimetric, combined	Blood - Venous whole blood
Hematology	Semen analysis, Count	Microscopy - Phase contrast	Fluid - Semen
Hematology	Semen analysis, Post Vasectomy - presence/absence	Microscopy - Bright Field	Fluid - Semen
Hematology	Semen analysis, Motility	Microscopy - Phase contrast	Fluid - Semen
Hematology	Semen analysis, Morphology	Microscopy - Phase contrast	Fluid - Semen
Point of Care Testing	Sample Collection	Capillary	All sample types
Point of Care Testing	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Point of Care Testing	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Point of Care Testing	Glucose	Electrochemistry	Blood - Capillary whole blood
Point of Care Testing	Human chorionic gonadotropin (hCG) Qualitative	Immunoassay, lateral flow	Urine
Point of Care Testing	Urinalysis, macroscopic	Reflectance Photometry	Urine
Sample Collection	Sample Processing	Centrifugation	All sample types
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Blood
Sample Collection	Sample Collection	Capillary	Blood
Sample Collection	Sample Collection	Venipuncture	Blood
Sample Collection	Sample Processing	Centrifugation - Platelet Poor Plasma	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 Collection	Providing patient instructions for self collected samples	Sputum
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Stool

DAP Scope Classification	Examination (Analyte/Procedure)	Methodology/principle	Sample Type
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Stool
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Swab
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Swab
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Tissue
Sample Collection	Sample Processing	Receipt, accessioning, storage, transportation, disposal	Urine
Sample Collection	Sample Collection	Providing patient instructions for self collected samples	Urine
Transfusion Medicine	Sample Processing	Centrifugation	All sample types
Transfusion Medicine	Sample Processing	Manipulation (e.g., aliquoting, pretreating)	All sample types
Transfusion Medicine	Sample Processing	Receipt, accessioning, storage, transportation, disposal	All sample types
Transfusion Medicine	Receipt, Storage and Issue Blood Products	N/A	N/A