



Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

ADDRESS : 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui
地址 香港新界上水保健路九號北區醫院二樓

ENQUIRY : Mr WONG Kwok-wing
查詢 黃國榮先生

TELEPHONE : 2683 8153
電話

FAX : 2683 8176
傳真

E-MAIL : wk420@ha.org.hk
電郵

CLIENTELE : Public and private hospitals and clinics
服務對象 公營及私營醫院和診所



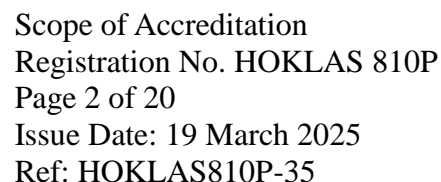
Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

ADDRESS : 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T. H.K.
地址 香港新界上水保健路九號北區醫院二樓
(i) Chemical Pathology Laboratory
(ii) Haematology Laboratory and Blood Bank
(iii) Emergency Laboratory

LABORATORY DIRECTOR : **Pathologist Director 病理學主管:**
化驗所主管 Dr Ronald CHAN Cheong-kin
陳昌堅醫生
MBBS, FHKCPath, FHKAM (Pathology)

ACCREDITED TEST CATEGORY : **Medical Testing 醫務化驗**
認可測試類別 Chemical Pathology 化學病理學
Haematology 血液學
Immunology 免疫學



醫院管理局，北區醫院，病理部

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology	Blood gases and co-oximetry Whole blood	Base Excess-vt by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		Bicarbonate by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		Carboxyhaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Methaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Oxyhaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Ionized calcium by Potentiometry (Ion Selective Electrode)	Werfen GEM Premier 5000 blood gas analyser
		O ₂ Saturation by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		pCO ₂ by Potentiometry (pCO ₂ -Sensing Electrode)	Werfen GEM Premier 5000 blood gas analyser
		pH by Potentiometry (Ion Selective Electrode)	Werfen GEM Premier 5000 blood gas analyser
		pO ₂ by Potentiometry (Oxygen-Sensing Amperometric Electrode)	Werfen GEM Premier 5000 blood gas analyser

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.
香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry Plasma	Alanine transaminase (ALT) by Spectrophotometry	Beckman Coulter AU5800 analyser, ALT3N Assay
		Albumin by Spectrophotometry	Beckman Coulter AU5800 analyser, ALB1N Assay
		Albumin adjusted calcium by Calculation	Beckman Coulter AU5800 analyser – Calculated from ALB1N and CAZ1N Assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Beckman Coulter AU5800 analyser, ALP1N Assay
	Plasma, whole blood	Anion Gap by Automated method	Beckman Coulter AU5800 ISE Na, K, CL Assay Werfen GEM Premier 5000, Bicarbonate Assay
	Plasma	Ammonia by Spectrophotometry	Beckman Coulter AU5800 analyser, Ammonia Assay
		Amylase by Spectrophotometry	Beckman Coulter AU5800 analyser, AMY2N Assay
		Aspartate Transaminase (AST) by Spectrophotometry	Beckman Coulter AU5800 analyser, AST3N Assay
		Bilirubin, Direct by Spectrophotometry	Beckman Coulter AU5800 analyser, DBC1N Assay
		Bilirubin, Indirect by Calculation	Beckman Coulter AU5800 analyser – Calculated from TBC1N and DBC1N Assay
		Bilirubin, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, TBC1N Assay
		Calcium by Spectrophotometry	Beckman Coulter AU5800 analyser, CAZ1N Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd)		
	Plasma, CSF	Chloride by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analysder, ISE-Chloride Assay
	Plasma	Cholesterol by Spectrophotometry	Beckman Coulter AU5800 analyser, CHO1N Assay
		Cholesterol, high density lipoproteins by Spectrophotometry	Beckman Coulter AU5800 analyser, HDL1N Assay
		Creatine kinase by Spectrophotometry	Beckman Coulter AU5800 analyser, CKN1N Assay
		Creatinine by Spectrophotometry	Beckman Coulter AU5800 analyser, CRE3N Assay
		Cholesterol, low density lipoproteins by Calculation	Beckman Coulter AU5800 analyser – Calculated from Friedewald Formula from cholesterol, triglyceride and HDL-C
	Plasma, urine	Creatinine clearance by Calculation	Beckman Coulter AU5800 analyser – Calculated from plasma and urine Creatinine
	Plasma	Estimated Glomerular Filtration Rate (eGFR) by Calculation	Beckman Coulter AU5800 analyser – Calculated from plasma Creatinine
		Gamma glutamyl transferase (GGT) by Spectrophotometry	Beckman Coulter AU5800 analyser, GGT2N Assay
		Globulin by Calculation	Beckman Coulter AU5800 analyser – Calculated from Protein, Total and Albumin
		Glucose, Fasting by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd)		
	Plasma, CSF	Glucose, Spot by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
	Plasma	Glucose, OGTT (Dynamic Function Test) by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Iron by Spectrophotometry	Beckman Coulter AU5800 Iron analyser, FE-1N Assay
		% Iron Saturation by Calculation	Beckman Coulter AU5800 – Calculated from Iron and TIBC
	Plasma, CSF	Lactate by Spectrophotometry	Beckman Coulter AU5800 analyser, LAC1N Assay
	Plasma,	Lactate Dehydrogenase (LDH) by Spectrophotometry	Beckman Coulter AU5800 analyser, LDH3N Assay
	Serum, body fluid	Osmolality by Freezing point depression	Arkray Osmo Station OM-6060 Osmometer
	Serum	Osmolality Gap by Calculation	Beckman Coulter AU5800 and Arkray Osmo Station OM-6060 Osmometer – Calculated from serum osmolality, sodium, urea and fluoride plasma glucose
	Body fluid	pH by Potentiometry (Ion Selective Electrode)	Thermo pH meter
	Plasma	Phosphate by Spectrophotometry	Beckman Coulter AU5800 analyser, PHO1N Assay
		Potassium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, ISE-K Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, TP-1N Assay
	CSF	Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, ULB1G Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd) Plasma	Sodium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, ISE-Na Assay
		Total Iron Binding Capacity (TIBC) by Calculation	Beckman Coulter AU5800 – Calculated from plasma Iron and UIBC by formula
	Serum	Transtubular Potassium Gradient by Calculation	Beckman Coulter AU5800 and Arkray Osmo Station OM-6060 Osmometer – Calculated from serum osmolality and potassium
	Plasma	Triglycerides by Spectrophotometry	Beckman Coulter AU5800 analyser, TRG1N Assay
		Troponin I, hypersensitive by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access HSTNI Assay
		Unsaturated Iron Binding Capacity (UIBC) (non-reportable) by Spectrophotometry	Beckman Coulter AU5800 analyser, UBC1N Assay
		Urate by Spectrophotometry	Beckman Coulter AU5800 analyser, UA-1N Assay
		Urea by Spectrophotometry	Beckman Coulter AU5800 analyser, BUN1N Assay
	Pleural fluid	pH by Potentiometry (Ion Selective Electrode)	Abbott i-STAT Alinity portable analyzer

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd) Urine	Albumin by Immunoturbidimetry Albumin:creatinine ratio by Calculation Amylase by Spectrophotometry Calcium by Spectrophotometry Chloride by Potentiometry (Ion Selective Electrode) Creatinine by Spectrophotometry Osmolality by Freezing point depression pH by Potentiometry (Ion Selective Electrode) Phosphate by Spectrophotometry Potassium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, ULB1G Assay Beckman Coulter AU5800 analyser - Calculated from urine albumin and creatinine Beckman Coulter AU5800 analyser, AMY2N Assay Beckman Coulter AU5800 analyser, CAZ1N Assay Beckman Coulter AU5800 analyser, ISE-Chloride Assay Beckman Coulter AU5800 analyser, CRE3N Assay Arkray Osmo Station OM-6060 Osmometer Thermo pH meter Beckman Coulter AU5800 analyser, PHO1N Assay Beckman Coulter AU5800 analyser, ISE-K Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd) Urine (cont'd)	Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, ULB1G Assay
		Protein:Creatinine ratio by Calculation	Beckman Coulter AU5800 analyser - Calculated from spot urine total protein and creatinine
		Renal Tubular Reabsorption of Phosphate by Calculation	Beckman Coulter AU5800 analyser - Calculated from plasma/urine phosphate and creatinine
		Sodium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, ISE-Na Assay
		Transtubular Potassium Gradient by Calculation	Beckman Coulter AU5800 and Arkray Osmo Station OM-6060 Osmometer - Calculated from urine osmolality and potassium
		Urate by Spectrophotometry	Beckman Coulter AU5800 analyser, UA-1N Assay
		Urea by Spectrophotometry	Beckman Coulter AU5800 analyser, BUN1N Assay
	Hormones Serum	Cortisol by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Cortisol Assay
		Thyroid Stimulating Hormone (TSH) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access TSH Assay
		Free Thyroxine (FT4) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access FT4 Assay
		Free Triiodothyronine (FT3) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access FT3 Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

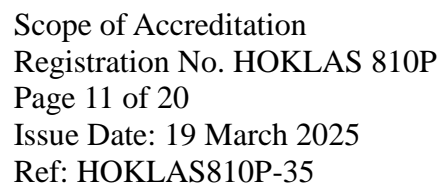
MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	Proteins, qualitative analysis Serum	Cryoglobulin by Precipitation in cold Ferritin by Immunoassay (Chemiluminescent label)	Method as documented in NC-TM-03-35 Beckman Coulter UniCel DxI 800 analyser, Access Ferritin Assay
	Proteins, quantitative analysis Plasma	C-Reactive Protein (CRP) by Immunoturbidimetry	Beckman Coulter AU5800 analyser, CRP1N Assay
	Special chemistry Serum	Folate by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Folate Assay
	Stool	Occult blood by Immuno method	Alfresia NS Prime
	Therapeutic Drug Monitoring Serum	Lithium by Spectrophotometry Digoxin by Monoclonal antibody binding	Beckman Coulter AU5800 analyser, Lithium Assay Beckman Coulter AU5800 analyser, DIG1N Assay
	Plasma	Phenytoin by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Phenytoin Assay
		Theophylline by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Theophylline Assay
		Valproate by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Valproate Assay
		Magnesium by Spectrophotometry	Beckman Coulter AU5800 analyser, MG-1N Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Chemical Pathology Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.
香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	Toxicology Serum	Acetaminophen (Paracetamol) by Spectrophotometry	Beckman Coulter AU5800 analyser, Acetaminophen Assay
		Ethanol by Spectrophotometry	Beckman Coulter AU5800 analyser, Ethanol Assay
		Salicylate by Spectrophotometry	Beckman Coulter AU5800 analyser, Salicylate Assay
	Tumour Markers Serum	Alpha Fetoprotein (AFP) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access AFP Assay
		Carcinoembryonic Antigen (CEA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access CEA Assay
		Prostate Specific Antigen (PSA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Hybritech PSA Assay
		CA 125 by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access CA 125 Assay
		CA 15-3 by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access CA 15-3 Assay
		CA 19-9 by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access CA 19-9 Assay



醫院管理局，北區醫院，病理部

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	Urinalysis Urine	Urinalysis by dipstick method, including <ul style="list-style-type: none">- Bilirubin- Haemoglobin- Ketone- Urobilinogen	Siemens Clinitek Status with Multistix 10
		Myoglobin by Filtration and dipstick method	Filtration and Siemens Clinitek Status with Multistix 10

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Haematology Laboratory and Blood Bank: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.
香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology	Blood bank – Antenatal screening		
	EDTA whole blood	ABO and Rh (D) typing for antenatal samples by Red cell agglutination	Tile and tube techniques as documented in NH-TM-07-03
	Blood bank – General		
	EDTA whole blood	ABO and Rh (D) typing by Red cell agglutination, automated Red cell agglutination, manual	Bio-Rad IH-500 System Method as documented in NB-EM-02-10 Tile and tube techniques as documented in NB-TM-02-01
		Red cell phenotyping by Direct agglutination Indirect antiglobulin test	Method as documented in NB-TM-02-07
	Plasma	Antibody screening by Gel-Indirect antiglobulin test Saline-Indirect antiglobulin test Red cell agglutination, automated	DiaMed gel technique Tube technique as documented in NB-TM-02-20 Bio-Rad IH-500 System Method as documented in NB-EM-02-10
		Crossmatch by Electronic crossmatch Immediate spin Indirect antiglobulin test Red cell agglutination, automated	Method as documented in NB-TM-02-10 Bio-Rad IH-500 System Method as documented in NB-EM-02-10
	Blood bank – Immunohaematology		
	Serum and EDTA whole blood	Antibody detection and identification by Indirect antiglobulin test	Method as documented in NB-TM-02-04
	Clotted and EDTA whole blood	Autoimmune haemolytic anaemia by Indirect antiglobulin test	Method as documented in NB-TM-02-04
	EDTA whole blood	Direct antiglobulin test by Red cell agglutination	Method as documented in NH-TM-07-05
	Serum	Cold agglutinin titre by Red cell agglutination	Method as documented in NH-TM-07-02

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Haematology Laboratory and Blood Bank: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.
香港新界上水保健路九號北區醫院二樓

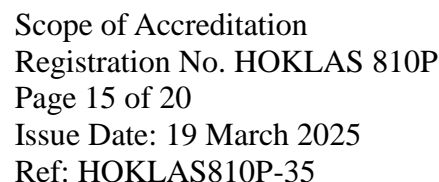
MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology (cont'd)	Blood bank – Special Clotted and EDTA whole blood	Transfusion reaction by ABO and Rh(D) typing Red cell antigen phenotyping Antibody identification Crossmatching	Method as documented in NB-TM-02-19
	Coagulation Citrate blood	Coagulation studies by Automated method, including - Prothrombin time (PT) - Activated partial thromboplastin time (APTT) D-Dimer by Enzyme linked fluorescent Assay (ELFA) Turbidimetric Immunoassay	Automated coagulation system: IL ACL TOP 750 Coagulation System Semi-automated coagulation system: Sysmex CA-104 Mini VIDAS Method as documented in NH-TM-04-09 IL ACL TOP 750 Coagulation System
	Haematology – General EDTA whole blood	Complete blood count by Automated method, including - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin concentration (MCHC) - Mean corpuscular haemoglobin (MCH) - Mean Platelet Volume (MPV) - Platelet count - Red cell count - Red cell distribution width (RDW) Leucocyte differential count by Automated method Reticulocyte count by Automated method Manual Reticulocyte count by New methylene blue stain	Automated system: Beckman Coulter UniCel DxH 800 cell counter Beckman Coulter UniCel DxH 800 cell counter Beckman Coulter UniCel DxH 800 cell counter Method as documented in NH-TM-06-03

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Haematology Laboratory and Blood Bank: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.
香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology (cont'd)	Haematology – General (cont'd)		
	EDTA whole blood (cont'd)	Peripheral blood smear examination by Romanowsky stained smear	Method as documented in NH-TM-03-01
		Erythrocyte sedimentation rate (ESR) by - Automatic method - Photo-optical detection	VES-MATIC 30 DIESSE Cube 30 touch
		Malaria parasite examination by Thick and thin films	Smear preparation and Giemsa staining as documented in NH-TM-05-10
	Haematology – Special		
	EDTA whole blood	Glucose-6-Phosphate Dehydrogenase (G6PD) screening by Fluorescence	Method as documented in NH-TM-05-02
	Serum	Infectious mononucleosis screening by Latex agglutination	Method as documented in NH-TM-05-03
	Microscopy – Miscellaneous		
	Non-CSF body fluid	Cell count by Microscopy	Method as documented in NH-TM-05-01
		Automated method, including - Total nucleated cell - Red blood cell	Sysmex XN-350
Immunology	Autoantibodies		
	Serum	Rheumatoid factor by Immunonephelometry	SIEMENS BN ProSpec RF Assay



醫院管理局，北區醫院，病理部

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology	Blood gases and co-oximetry Whole blood	Base Excess-vt by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		Bicarbonate by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		Carboxyhaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Methaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Oxyhaemoglobin by Co-oximetry	Werfen GEM Premier 5000 blood gas analyser
		Ionized calcium by Potentiometry (Ion Selective Electrode)	Werfen GEM Premier 5000 blood gas analyser
		O ₂ Saturation by Auto-calculation	Werfen GEM Premier 5000 blood gas analyser
		pCO ₂ by Potentiometry (pCO ₂ -Sensing Electrode)	Werfen GEM Premier 5000 blood gas analyser
		pH by Potentiometry (Ion Selective Electrode)	Werfen GEM Premier 5000 blood gas analyser
		pO ₂ by Potentiometry (Oxygen-Sensing Amperometric Electrode)	Werfen GEM Premier 5000 blood gas analyser

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Emergency Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry		
	Plasma	Albumin adjusted calcium by Calculation	Beckman Coulter AU5800 – Calculated from albumin and calcium
	Plasma, whole blood	Anion Gap by Automated method	Beckman Coulter AU5800 analyser, ISE Na, K, CL Assay Werfen GEM Premier 5000, Bicarbonate Assay
	Plasma	Ammonia by Spectrophotometry	Beckman Coulter AU5800 analyser, Ammonia Assay
		Amylase by Spectrophotometry	Beckman Coulter AU5800 analyser, AMY2N Assay
		Aspartate Transaminase (AST) by Spectrophotometry	Beckman Coulter AU5800 analyser, AST3N Assay
		Bilirubin, Direct by Spectrophotometry	Beckman Coulter AU5800 analyser, DBC1N Assay
		Bilirubin, Indirect by Spectrophotometry	Beckman Coulter AU5800 analyser – Calculated from total and direct bilirubin
		Calcium by Spectrophotometry	Beckman Coulter AU5800 analyser, CAZ1N Assay
		Creatine kinase by Spectrophotometry	Beckman Coulter AU5800 analyser, CKN1N Assay
	Plasma, CSF	Glucose by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Lactate by Spectrophotometry	Beckman Coulter AU5800 analyser, LAC1N Assay
	Plasma	Lactate Dehydrogenase (LDH) by Spectrophotometry	Beckman Coulter AU5800 analyser, LDH3N Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Emergency Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	General chemistry (cont'd)		
	Plasma (cont'd)	Liver Function Test by Spectrophotometry, including - Albumin - ALP - ALT - Globulin (calculated) - Total Bilirubin - Total Protein	Beckman Coulter AU5800 analyser respective assays
	Serum, urine	Osmolality by Freezing point depression	Arkray Osmo Station OM-6060 Osmometer
	Plasma	Phosphate by Spectrophotometry	Beckman Coulter AU5800 analyser, PHO1N Assay
	Urine	Potassium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, ISE-K Assay
	CSF	Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, ULB1G Assay
	Plasma	Renal Function Test by Potentiometry and Spectrophotometry, including - Creatinine - Potassium - Sodium - Urea	Beckman Coulter AU5800 respective assays
	Urine	Sodium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800, ISE-Na Assay
	Plasma	Troponin I, hypersensitive, by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access HSTNI Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Emergency Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	Therapeutic Drug Monitoring Serum	Lithium by Spectrophotometry	Beckman Coulter AU5800 analyser, Lithium Assay
		Digoxin by Monoclonal antibody binding	Beckman Coulter AU5800 analyser, DIG1N Assay
	Plasma	Phenytoin by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Phenytoin Assay
		Theophylline by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Theophylline Assay
		Valproate by Enzyme Immunoassay	Beckman Coulter AU5800 analyser, Valproate Assay
		Magnesium by Spectrophotometry	Beckman Coulter AU5800 analyser, MG-1N Assay
	Toxicology Serum	Acetaminophen (Paracetamol) by Spectrophotometry	Beckman Coulter AU5800 analyser, Paracetamol Assay
		Ethanol by Spectrophotometry	Beckman Coulter AU5800 analyser, Ethanol Assay
		Salicylate by Spectrophotometry	Beckman Coulter AU5800 analyser, Salicylate Assay
	Examination performed after consulting duty pathologist		
Chemical Pathology	General chemistry Plasma	Iron by Spectrophotometry	Beckman Coulter AU5800 analyser, FE-1N Assay

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Emergency Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology	Blood bank – General EDTA whole blood	ABO and Rh (D) typing by Red cell agglutination, automated Red cell agglutination, manual Red cell phenotyping by Direct agglutination Indirect antiglobulin test	Bio-Rad IH-500 System Method as documented in NB-EM-02-10 Tile and tube techniques as documented in NB-TM-02-01
	Plasma	Antibody screening by Gel-Indirect antiglobulin test Saline-Indirect antiglobulin test Red cell agglutination, automated Crossmatch by Electronic crossmatch Immediate spin Indirect antiglobulin test Red cell agglutination, automated	DiaMed gel technique Tube technique as documented in NB-TM-02-20 Bio-Rad IH-500 System Method as documented in NB-EM-02-10 Method as documented in NB-TM-02-10 Bio-Rad IH-500 System Method as documented in NB-EM-02-10

Hospital Authority - North District Hospital, Department of Pathology

醫院管理局，北區醫院，病理部

Emergency Laboratory: 2/F, North District Hospital, 9 Po Kin Road, Sheung Shui, N.T., H.K.

香港新界上水保健路九號北區醫院二樓

MEDICAL TESTING			
DISCIPLINE 專科範疇	TEST AREA OR SAMPLE TYPE 測試範圍或樣本種類	SPECIFIC EXAMINATION OR PROPERTY MEASURED 特定測試或量度的特性	METHOD OR TECHNIQUE USED 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology	Coagulation Citrate blood	Coagulation studies by Automated method, including - Prothrombin time (PT) - Activated partial thromboplastin time (APTT) D-dimer by Turbidimetric Immunoassay	Automated coagulation system: IL ACL TOP 750 Coagulation System Semi-automated coagulation system: Sysmex CA-104 IL ACL TOP 750 Coagulation System
	Haematology – General EDTA whole blood	Complete blood count by Automated method, including - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin concentration (MCHC) - Mean corpuscular haemoglobin (MCH) - Mean Platelet Volume (MPV) - Platelet count - Red cell count - Red cell distribution width (RDW) Leucocyte differential count by Automated method Malaria parasite examination by Thick and thin films Erythrocyte sedimentation rate (ESR) by Photo-optical detection	Automated system: Beckman Coulter UniCel DxH 800 cell counter Beckman Coulter UniCel DxH 800 cell counter Smear preparation and Giemsa staining as documented in NH-TM-05-10 DIESSE Cube 30 touch
	Microscopy – Miscellaneous Non-CSF body fluid	Cell count by Automated method, including - Total nucleated cell - Red blood cell	Sysmex XN-350