



**Department of Health - Centre for Health Protection, Public Health Laboratory Services Branch,
Chemical Pathology and Haematology Division**

衛生署 - 衛生防護中心，公共衛生化驗服務處，化學病理及血液科

ADDRESS : 3/F, Public Health Laboratory Centre, 382 Nam Cheong Street, Kowloon, Hong Kong
地址 香港九龍石硤尾，南昌街 382 號，公共衛生檢測中心 3 樓

ENQUIRY : Mr SHIU Kar-chi
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CLIENTELE : Public and private hospitals and clinics
服務對象 公營及私營醫院和診所



Scope of Accreditation
Registration No. HOKLAS 813P
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Issue Date: 2 November 2023
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LABORATORY DIRECTOR : **Pathologist Director 病理學主管:**
化驗所主管 Dr Janice LO Yee-chi
羅懿之醫生
MBBS(HK), FRCPA, FHKCPath, FHKAM (Pathology)

PATHOLOGIST IN CHARGE OF THE ACCREDITED DISCIPLINE : Nil
負責認可範疇的病理學專科醫生

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



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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 listed in the scope below.			
Chemical Pathology	General Chemistry Fluoride plasma	Glucose by Spectrophotometry	Roche c8000 Modular Analyser Series Glucose assay
		Glucose, fasting by Spectrophotometry	Roche c8000 Modular Analyser Series Glucose assay
	Serum	Alanine Aminotransferase (ALT) by Spectrophotometry	Roche c8000 Modular Analyser Series Alanine Aminotransferase (ALT) assay
		Albumin by Spectrophotometry	Roche c8000 Modular Analyser Series Albumin BCP assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Roche c8000 Modular Analyser Series Alkaline Phosphatase (ALP) assay
		Alkaline Phosphatase, heat stable isoenzyme by Spectrophotometry	Roche c8000 Modular Analyser Series Alkaline Phosphatase (ALP) assay and heat inactivation method as documented in CPL-MTH-C8K-API
		Amylase by Spectrophotometry	Roche c8000 Modular Analyser Series Amylase assay
		Aspartate Aminotransferase (AST) by Spectrophotometry	Roche c8000 Modular Analyser Series Aspartate Aminotransferase (AST) assay
		Bilirubin, Direct by Spectrophotometry	Roche c8000 Modular Analyser Series Direct Bilirubin assay
		Bilirubin, Total by Spectrophotometry	Roche c8000 Modular Analyser Series Total Bilirubin assay



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Chemical Pathology (cont'd)	General Chemistry (cont'd) Serum (cont'd)	Calcium by Spectrophotometry	Roche c8000 Modular Analyser Series Calcium assay
		Carbon dioxide by Spectrophotometry	Roche c8000 Modular Analyser Series Bicarbonate assay
		Chloride by Potentiometry (Ion Selective Electrode)	Roche c8000 Modular Analyser Series
		Cholesterol by Spectrophotometry	Roche c8000 Modular Analyser Series Cholesterol assay
		Cholesterol, high density lipoproteins by Spectrophotometry	Roche c8000 Modular Analyser Series HDL cholesterol assay
		Cholesterol, low density lipoproteins by Calculation	Roche c8000 Modular Analyser Series (calculated test using Friedewald Formula)
		Creatine Kinase by Spectrophotometry	Roche c8000 Modular Analyser Series Creatine Kinase assay
		Creatinine by Spectrophotometry	Roche c8000 Modular Analyser Series Creatinine assay
		Fructosamine by Spectrophotometry	Roche c8000 Modular Analyser Series Fructosamine assay
		Gamma-glutamyl transferase by Spectrophotometry	Roche c8000 Modular Analyser Series Gamma-Glutamyl Transferase assay
		Iron by Spectrophotometry	Roche c8000 Modular Analyser Series Iron assay



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Chemical Pathology (cont'd)	General Chemistry (cont'd) Serum (cont'd)	Iron Saturation by Calculation	Roche c8000 Modular Analyser Series (Calculated test using Iron and TIBC)
		Lactate Dehydrogenase by Spectrophotometry	Roche c8000 Modular Analyser Series Lactate Dehydrogenase (LD) assay
		Magnesium by Spectrophotometry	Roche c8000 Modular Analyser Series Magnesium assay
		Osmolality by Freezing point depression	OSMO STATION OM-6060 analyser
		Phosphate by Spectrophotometry	Roche c8000 Modular Analyser Series Phosphate assay
		Potassium by Potentiometry (Ion Selective Electrode)	Roche c8000 Modular Analyser Series
		Protein, Total by Spectrophotometry	Roche c8000 Modular Analyser Series Total Protein assay
		Sodium by Potentiometry (Ion Selective Electrode)	Roche c8000 Modular Analyser Series
		Triglyceride by Spectrophotometry	Roche c8000 Modular Analyser Series Triglyceride assay
		Urea by Spectrophotometry	Roche c8000 Modular Analyser Series Urea Nitrogen assay
		Uric acid by Spectrophotometry	Roche c8000 Modular Analyser Series Uric Acid assay



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Chemical Pathology (cont'd)	General Chemistry (cont'd) Serum (cont'd)	TIBC by Calculation	Roche c8000 Modular Analyser Series (Calculated from Iron and UIBC)
		UIBC by Spectrophotometry	Roche c8000 Modular Analyser Series UIBC assay
	Urine	Albumin by Immunoturbidimetry	Beckman Coulter AU480 Microalbumin assay
		Creatinine by Spectrophotometry	Beckman Coulter AU480 Creatinine assay
		Creatinine Clearance by Calculation	Roche c8000 Modular Analyser Series and Beckman Coulter AU480 (Calculated from Serum and Urine Creatinine)
		Osmolality by Freezing point depression	OSMO STATION OM-6060 analyser
		Potassium by Potentiometry (Ion Selective Electrode)	Roche c8000 Modular Analyser Series
		Protein, Total by Turbidimetry	Roche c8000 Modular Analyser Series Total Protein, Urine/CSF assay
		Sodium by Potentiometry (Ion Selective Electrode)	Roche c8000 Modular Analyser Series
	Stool	Occult blood by Faecal immunochemical test (FIT)	Alfresa FIT on NS-Prime Discrete Clinical Chemistry Analyser



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Chemical Pathology (cont'd)	Hormones Serum	Cortisol by Immunoassay (Chemiluminescent label)	Abbott Alinity i Cortisol assay
		Free T3 by Immunoassay (Chemiluminescent label)	Abbott Alinity i Free T3 assay
		Free T4 by Immunoassay (Chemiluminescent label)	Abbott Alinity i Free T4 assay
		Thyroid Stimulating Hormone (TSH) by Immunoassay (Chemiluminescent label)	Abbott Alinity i TSH assay
	Proteins, quantitative analysis Serum	C-Reactive Protein by Turbidimetry	Cobas Integra 400 Plus C-Reactive Protein assay
		Ferritin by Immunoassay (Chemiluminescent label)	Abbott Alinity i Ferritin assay
		Pseudocholinesterase by Spectrophotometry	Roche c8000 Modular Analyser Series Cholinesterase assay
	Special Chemistry Serum	Active B12 by Immunoassay (Chemiluminescent label)	Abbott Alinity i Active B12 assay
		Folate by Immunoassay (Chemiluminescent label)	Abbott Alinity i Folate assay
		Chyle by Microscopy	Method as documented in CPL-MTH-CHY

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Chemical Pathology (cont'd)	Therapeutic Drug Monitoring Serum	Carbamazepine by Fluorescence Polarization Immunoassay (FPIA)	Cobas Integra 400 Plus Carbamazepine assay
		Lithium by Spectrophotometry	Roche c8000 Modular Analyser Series Lithium assay
		Phenytoin by Fluorescence Polarization Immunoassay (FPIA)	Cobas Integra 400 Plus Phenytoin assay
		Valproic acid by Fluorescence Polarization Immunoassay (FPIA)	Cobas Integra 400 Plus Valproic acid assay
	Tumour Markers Serum	Alpha-feto protein (AFP) by Immunoassay (Chemiluminescent label)	Abbott Alinity i AFP assay
		Carcinoembryonic Antigen (CEA) by Immunoassay (Chemiluminescent label)	Abbott Alinity i CEA assay
		Prostate Specific Antigen (PSA) by Immunoassay (Chemiluminescent label)	Abbott Alinity i Total PSA assay

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Haematology	Coagulation Plasma or Citrate blood	Coagulation studies including - Prothrombin time (PT) - Activated partial thromboplastin time (APTT)	Sysmex CA-1500
	Haematology – General EDTA whole blood	Complete blood count including - Haemoglobin - Red blood cell - Haematocrit - Mean cell volume - Mean cell haemoglobin - Mean cell haemoglobin concentration - Red cell distribution width - Platelet - Mean platelet volume - White blood cell - 5 part differential	Sysmex XN9100
		Peripheral blood smear examination by May-Grünwald & Giemsa stain	Sysmex SP50
		Reticulocyte Count, automated	Sysmex XN9100
		Erythrocyte Sedimentation Rate (ESR) by photo-optical detection	Diesse Cube 30 Touch System
	Haematology – Immunohaematology EDTA whole blood	ABO Blood grouping and Rh (D) typing by Red cell agglutination	Method as documented in CPL-MTH-BGP-ABO and CPL-MTH-BGP-RHD



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Haematology	Haematology – Special EDTA whole blood	Haemoglobin A1c (HbA1c) by High performance liquid chromatography Glucose-6-phosphate dehydrogenase (G6PD) by Spectrophotometry	Bio-rad D-100 Hemoglobin Testing System Randox Glucose-6-phosphate Dehydrogenase assay on Beckman Coulter AU480



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Immunology	Autoantibodies Serum	Anti-nuclear Antibody by Indirect immunofluorescent method	Bio-rad PhD 1x System Kallestad HEp-2 Cell line Substrate Kit Method as documented in CPL-MTH-ANA
		Anti-Thyroglobulin Antibody by Immunoassay (Chemiluminescent label)	Abbott Alinity i Anti-Tg assay
		Anti-Thyroid Peroxidase Antibody by Immunoassay (Chemiluminescent label)	Abbott Alinity i Anti-TPO assay
		Rheumatoid Factor by Turbidimetry	Cobas Integra 400 Plus Rheumatoid Factor assay
		Anti-dsDNA by Immunoassay (Enzyme-based label)	Bio-rad PhD 1x System Euroimmun Anti-dsDNA-NcX ELISA (IgG) kit
	Immunochemistry Serum	Complement C3 by Turbidimetry	Roche c8000 Modular Analyser Series Complement C3 assay
		Complement C4 by Turbidimetry	Roche c8000 Modular Analyser Series Complement C4 assay
		Immunoglobulin A by Turbidimetry	Roche c8000 Modular Analyser Series Immunoglobulin A assay
		Immunoglobulin G by Turbidimetry	Roche c8000 Modular Analyser Series Immunoglobulin G assay
		Immunoglobulin M by Turbidimetry	Roche c8000 Modular Analyser Series Immunoglobulin M assay