



Chan & Hou Medical Laboratories Ltd.

香港(CH)病理檢驗中心

- ADDRESS** : 18/F, Block B, Vita Tower, 29 Wong Chuk Hang Road, Hong Kong
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- E-MAIL** : jasonlam@chlab.com.hk
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- CLIENTELE** : Private physicians, medical centres, private and public hospitals and other medically-
服務對象 : 私家醫生, 醫療中心, 私營及公營醫院和與醫療有關的機構



Scope of accreditation
Registration Number HOKLAS 834S
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Main facility 18/F, Block B, Vita Tower, 29 Wong Chuk Hang Road, Hong Kong
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Branch facility Room 906, 9/F, Melbourne Plaza, 33 Queen's Road Central, Central, Hong Kong
香港中環皇后大道中33號萬邦行9樓906室

Collection Centres 樣本收集中心:

1. Room 712B, 7/F, Champion Building, 301-309 Nathan Road, Kowloon
九龍彌敦道 301-309 號嘉賓商業大廈 7 樓 712B 室
2. Room 1310, 13/F, Tower 1, Grand Central Plaza, 138 Shatin Rural Committee Road, Shatin, New Territories
新界沙田鄉事會路 138 號新城市中央廣場 1 座 13 樓 1310 室

LABORATORY DIRECTOR : **Biomedical Scientist Director 醫務科學主管:**
化驗所主管 Miss Denise HOU Yuen-chi
侯元琪小姐
MPhil, MMedSc, Reg. Part I MLT

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**
認可測試類別 **醫務化驗**

Chemical Pathology	化學病理學
Clinical Microbiology and Infection	臨床微生物學及傳染病
Haematology	血液學
Immunology	免疫學
Medical Genetics (Molecular Genetics)	醫學遺傳學 (分子遺傳學)

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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 below.			
Chemical Pathology	General chemistry		
	Fluoride plasma	Glucose by Spectrophotometry	Abbott Alinity c System Glucose Assay
	Serum	Albumin by Spectrophotometry	Abbott Alinity c System Albumin Assay
		Alanine Aminotransferase (ALT) by Spectrophotometry	Abbott Alinity c System ALT Assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Abbott Alinity c System Alkaline Phosphatase Assay
		Amylase by Spectrophotometry	Abbott Alinity c System Amylase Assay
		Aspartate Aminotransferase (AST) by Spectrophotometry	Abbott Alinity c System AST Assay
		Bilirubin, Direct by Spectrophotometry	Abbott Alinity c System Direct Bilirubin Assay
		Bilirubin, Total by Spectrophotometry	Abbott Alinity c System Total Bilirubin Assay
		Calcium by Spectrophotometry	Abbott Alinity c System Calcium Assay
		Chloride by Potentiometry (Ion Selective Electrode)	Abbott Alinity c System Chloride Assay
		Cholesterol, high density lipoproteins (HDL) by Spectrophotometry	Abbott Alinity c System Ultra HDL Assay
		Cholesterol, low density lipoproteins (LDL) by Spectrophotometry	Abbott Alinity c System LDL Assay
		Cholesterol, low density lipoproteins (LDL) by Calculation	Abbott Alinity c System (Calculated from Triglycerides Method Manual)
	Cholesterol by Spectrophotometry	Abbott Alinity c System Cholesterol Assay	
	Creatinine by Spectrophotometry	Abbott Alinity c System Creatinine Assay	

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Chemical Pathology (cont'd)	General chemistry (cont'd) Serum (cont'd)	Creatine Kinase (CK) by Spectrophotometry	Abbott Alinity c System Creatine Kinase Assay
		Gamma Glutamyltransferase (GGT) by Spectrophotometry	Abbott Alinity c System GGT Assay
		Globulin by Calculation	Abbott Alinity c System (Calculated from Albumin Method Manual)
		Iron by Spectrophotometry	Abbott Alinity c System Iron Assay
		Lactate Dehydrogenase (LDH) by Spectrophotometry	Abbott Alinity c System LDH Assay
		Magnesium by Spectrophotometry	Abbott Alinity c System Magnesium Assay
		Oral glucose tolerance test by Spectrophotometry	Abbott Alinity c System Glucose Assay
		Phosphate by Spectrophotometry	Abbott Alinity c System Phosphorus Assay
		Potassium by Potentiometry (Ion Selective Electrode)	Abbott Alinity c System Potassium Assay
		Protein, Total by Spectrophotometry	Abbott Alinity c System Total Protein Assay
		Sodium by Potentiometry (Ion Selective Electrode)	Abbott Alinity c System Sodium Assay
		Total Iron Binding Capacity (TIBC) by Calculation	Abbott Alinity c System (Calculated from UIBC Method Manual)
		Triglycerides by Spectrophotometry	Abbott Alinity c System Triglycerides Assay
		Urea by Spectrophotometry	Abbott Alinity c System Urea Nitrogen Assay

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Chemical Pathology (cont'd)	General chemistry (cont'd) Serum (cont'd)	Unsaturated Iron Binding Capacity (UIBC) by Spectrophotometry	Abbott Alinity c System UIBC Assay
		Uric acid by Spectrophotometry	Abbott Alinity c System Uric Acid Assay
	Hormones Serum	Estradiol (E2) by Immunoassay (Chemiluminescent label)	Roche cobas e411 system E2 assay
		Follicle Stimulating Hormone (FSH) by Immunoassay (Chemiluminescent label)	Roche cobas e411 system FSH assay
		Luteinising Hormone (LH) by Immunoassay (Chemiluminescent label)	Roche cobas e411 system LH assay
		Parathyroid Hormone (PTH) by Immunoassay (Chemiluminescent label)	Roche cobas e411 system iPTH assay
		Progesterone by Immunoassay (Chemiluminescent label)	Roche cobas e411 system Progesterone assay
		Prolactin by Immunoassay (Chemiluminescent label)	Roche cobas e411 system Prolactin assay
		Testosterone by Immunoassay (Chemiluminescent label)	Roche cobas e411 system Testosterone assay
		Thyroxine (T4), Free by Immunoassay (Chemiluminescent label)	Abbott Alinity i System Free T4 Assay
		Triiodothyronine (T3), Free by Immunoassay (Chemiluminescent label)	Abbott Alinity i System Free T3 Assay
		Thyroid Stimulating Hormone (TSH) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System TSH Assay
	Special chemistry Serum	25 (Hydroxy) Vitamin D by Immunoassay (Chemiluminescent label)	Roche cobas e411 system Vitamin D assay
Stool		Occult Blood by Rapid chromatographic immunoassay	Method as documented in Human Occult Blood Method Manual using WONDFO One Step Faecal Occult Blood FOB Test

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Chemical Pathology (cont'd)	Tumour markers Serum	AFP by Immunoassay (Chemiluminescent label) CEA by Immunoassay (Chemiluminescent label) Free PSA by Immunoassay (Chemiluminescent label) Total PSA by Immunoassay (Chemiluminescent label) PSA, Free/Total ratio by Calculation	Abbott Alinity i System AFP Assay Abbott Alinity i System CEA Assay Abbott Alinity i System Free PSA Assay Abbott Alinity i System Total PSA Assay Abbott Alinity i System (Calculated from Free PSA and Total PSA as documented in Free PSA Method Manual)

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Clinical Microbiology and Infection	Parasitology Stool	Microscopy for enteric parasites by - Direct wet smear - Smear after concentration	Method as documented in Microscopy for enteric parasite Method Manual
	Syphilis serology Serum	Reagin antibodies in response to Treponemal infection by Rapid Plasma Reagin (RPR) <i>Treponema pallidum</i> antibody by Immunoassay (Enzyme-based label)	Axis-Shield Diagnostic Ltd. RPR assay Abbott Alinity i System Syphilis TP Assay
	Urinalysis and urine microscopy Urine	Urinalysis by Dipstick, including - Colour - Appearance - Leukocytes - Specific Gravity - pH - Protein - Glucose - Ketone - Occult Blood - Bilirubin - Urobilinogen - Nitrite Urine Formed Elements by Wet smear microscopic examination	Siemens Multistix 10SG and Reader; Siemens Clinitek Advantus Analyser Method as documented in Urinalysis by dipstick 77 Elektronika Ktf. LabStrip U11 Plus on 77 Elektronika Ktf. LabUReader Plus 2 Method as documented in Urine Sediment Examination Method Manual using HPF and fixed volume in Cell Chamber

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Clinical Microbiology and Infection (cont'd)	Virology – Serology Serum	Hepatitis A virus antibody IgG by Immunoassay (Chemiluminescent label)	Abbott Alinity i System HAVG-IgG Assay
		Hepatitis B virus antibody (Anti-HBs) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System Anti-HBs Assay
		Hepatitis B virus surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System HBsAgQ2 Assay Abbott Alinity i System HBsAgQ2 Confirmatory Assay
		Immunochemical membrane assay	OneStep HBsAg RapiCard™ InstaTest for confirmation
		Hepatitis C virus antibody (anti-HCV) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System Anti-HCV Assay
		Human immunodeficiency virus (HIV) I p24 antigen / HIV I and II antibody by Immunoassay (Chemiluminescent label)	Abbott Alinity i System HIV Ag/Ab Combo Assay

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Haematology	Haematology - General EDTA whole blood	Complete blood count including <ul style="list-style-type: none"> - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Leucocyte differential count - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin (MCH) - Mean corpuscular haemoglobin concentration (MCHC) - Platelet count - Red cell count - Red cell distribution width (RDW) Erythrocyte Sedimentation Rate (ESR) by Manual method Peripheral blood smear examination by May-Grunwald-Giemsa/ Wright stain	Sysmex XN-1000 Sediplast ESR System Method as documented in HEM SOP LP 202
	Immunohaematology Clotted blood or EDTA whole blood	ABO and Rh (D) typing by Red Cell agglutination	Method as documented in ABO and Rh (D) typing Method Manual

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Immunology	Immunochemistry Serum	Complement (C3) by Rate Nephelometry	Beckman Coulter IMMAGE system C3 Assay
		Complement (C4) by Rate Nephelometry	Beckman Coulter IMMAGE system C4 Assay
		C-Reactive Protein (CRP) by Rate Nephelometry	Beckman Coulter IMMAGE system CRP Assay
		Immunoglobulins IgA by Rate Nephelometry	Beckman Coulter IMMAGE system IGA Assay
		Immunoglobulins IgE by Rate Turbidimetry	Beckman Coulter IMMAGE system IGE Assay
		Immunoglobulins IgG by Rate Nephelometry	Beckman Coulter IMMAGE system IGG Assay
		Immunoglobulins IgM by Rate Nephelometry	Beckman Coulter IMMAGE system IGM Assay
		Rheumatoid Factor (RF) by Rate Nephelometry	Beckman Coulter IMMAGE system RF Assay

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Medical Genetics	Molecular genetics Combined nasal and throat swab, deep throat saliva, nasopharyngeal swab	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) – detection by Real time Multiplex Polymerase Chain Reaction, qualitative (Target regions: NS1, NS2 and ORF1 a/b gene) (Target regions: N gene and ORF1a/b gene)	Nucleic acid extraction, amplification and detection as documented in LP MOP 414 Nucleic acid extraction, amplification and detection as documented in LP MOP 413

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Haematology	Haematology - General EDTA whole blood	Complete blood count including <ul style="list-style-type: none"> - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Leucocyte differential count - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin (MCH) - Mean corpuscular haemoglobin concentration (MCHC) - Platelet count - Red cell count - Red cell distribution width (RDW) 	Sysmex XN-550
		Erythrocyte Sedimentation Rate (ESR) by Manual method	Sediplast ESR System
		Peripheral blood smear examination by May-Grunwald-Giemsa/ Wright stain	Method as documented in HEM SOP LP 202