

**Hong Kong Baptist Hospital – Pathology Department**

香港浸信會醫院，病理化驗部

**ADDRESS** : LG2, Block D, Hong Kong Baptist Hospital, 222 Waterloo Road, Kowloon, Hong Kong  
**地址** 香港九龍窩打老道222號香港浸信會醫院D座地庫二層

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(i) Anatomical Pathology Laboratory: LG2, Block E

(ii) Core Laboratory: LG2, Block D

**LABORATORY** : **Pathologist Director 病理學主管:**

**DIRECTOR**

**化驗所主管**

Dr Chris LAI Kin-chung

黎建宗醫生

MBChB (CUHK), FRCPA, FHKCPath, FHKAM (Pathology)

**PATHOLOGIST IN** : Anatomical Pathology 解剖病理學

**CHARGE OF THE**

**ACCREDITED**

**DISCIPLINE**

負責認可範疇的病理學

專科醫生

Dr Chris LAI Kin-chung

黎建宗醫生

(Full-time 全職)

**ACCREDITED TEST** : **Medical Testing 醫務化驗**

**CATEGORY**

認可測試類別

Anatomical Pathology

解剖病理學

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

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 and for providing clinical interpretation of the examinations listed below.			
Anatomical Pathology	<b>Cytopathology</b>		
	Fine needle aspirates	Fine needle aspiration cytology examination by H&E and Papanicolaou staining	Specimen preparation as documented in CY-SOP-REG-LIS, CY-SOP-SPR, CY-SOP-PRE
	Gynaecological specimens	Gynaecological cytology examination by Papanicolaou staining	Specimen preparation and routine staining by automated method) as documented in CY-SOP-PRE
	Non-gynaecological specimens	Non-gynaecological cytology examination by H&E, Papanicolaou and special staining	Specimen preparation and routine staining by automated method as documented in CY-SOP-PRE Special staining by manual method as documented in HP-SOP-STA Eosinophils by Haematoxylin and Eosin stain Giemsa stain Gram stain Grocott stain Pneumocystis jirovecii Haemosiderin by Perl's Prussian Blue Periodic Acid-Schiff (PAS) Urate Crystal by polarized light Ziehl-Neelsen stain

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Anatomical Pathology (cont'd)	<b>Histopathology</b> Surgical pathology and cytological specimens	Histology examination by H&E and special staining	Specimen preparation as documented in HP-SOP-SPR, HP-SOP-REG, HP-SOP-HAE, HP-SOP-HSB, HP-SOP-HAH, HP-SOP-TSP, HP-SOP-EMB, HP-SOP-SEC, HP-SOP-STA  Special staining (manual method): Method as documented in HP-SOP-STA Acid and neutral mucins by combined Alcian blue- Periodic Acid-Schiff (PAS) Acid fast bacilli by Ziehl-Neelsen Acid mucins by Alcian blue Amyloid by Highman's Congo Red Calcium by Von Kossa silver Collagen and muscle by Masson's trichrome Connective tissues by Van Gieson stain Copper by Rubeanic Acid Elastic fibres by Verhoeff-van Gieson staining Fungi or Pneumocystis jiroveci by Grocott hexamine silver Glycogen by PAS ± Diastase Haemosiderin by Perl's Prussian Blue HBsAg by Shikata's Orcein Helicobacter by Giemsa stain Lipids by Oil red O Melanin and lipofuscins by Schmorl's stain Microbacteria by Gram's stain Mucin, capsule of Cryptococcus neoformans by Southgate's mucicarmine Mucins and glycogen by Periodic Acid-Schiff (PAS) Mucopolysaccharides by Colloidal iron technique Mycobacterium leprae by Wade-Fite Reticulin by Gordon and Sweet's technique Spirochaetes and helicobacter by Warthin-Starry
	Intra-operative frozen section for fresh tissue specimens	Histological examination by H&E and special staining	Specimen processing as documented in HP-SOP-FRZ
	<b>Immunohistochemistry</b> Histological specimens	Immunohistochemical examination for various antigen markers by Automated staining method	Slide preparation and staining as documented in HP-SOP-EQU-IHC-BON, HP-SOP-EQU-IHC-VEN and HP-SOP-IHC

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Medical Genetics	Molecular Genetics (anatomical pathology) Histological and cytological specimen	Epstein-Barr Virus-Encoded Small RNA (EBER) Detection by Chromogenic in-situ hybridisation (CISH)  Kappa and Lambda mRNA Detection by Chromogenic in-situ hybridisation (CISH)	Slide preparation and staining (automated method) by Leica Bond III immunostainer as documented in HP-SOP-ISH Detection System: Bond Polymer Refine Detection  Slide preparation and staining (automated method) by Leica Bond III immunostainer as documented in HP-SOP-ISH Detection System: Bond Polymer Refine Detection

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Chemical Pathology	General Chemistry Serum	Albumin by Spectrophotometry	Roche cobas pro system, ALBP assay
		Albumin adjusted Calcium by Calculation	Roche cobas pro system (calculated from serum albumin and serum calcium)
		Albumin to globulin ratio by Calculation	Roche cobas pro system (calculated from serum albumin and serum Protein, Total)
		Alkaline Phosphatase by Spectrophotometry	Roche cobas pro system, ALP2 assay
		Alanine Aminotransferase by Spectrophotometry	Roche cobas pro system, ALTP assay
		Aspartate Aminotransferase (AST) by Spectrophotometry	Roche cobas pro system, ASTP assay
		Bilirubin, Total by Spectrophotometry	Roche cobas pro system, BILT3 assay
		Calcium by Spectrophotometry	Roche cobas pro system, CA2 assay
		Chloride by Potentiometry (indirect ion selective electrode)	Roche cobas pro system, ISE-CL assay
		Cholesterol, Total by Spectrophotometry	Roche cobas pro system, CHOL2 assay
		Cholesterol High Density Lipoprotein, (HDL-C) by Spectrophotometry	Roche cobas pro system, HDLC4 assay
		Cholesterol Low Density Lipoprotein (LDL-C) by Spectrophotometry	Roche cobas pro system, LDLC3 assay
		Creatinine by Spectrophotometry	Roche cobas pro system, CREP2 assay
		Estimated glomerular filtration rate (eGFR) by Calculation	Roche cobas pro system (calculated from serum creatinine using CKD-EPI (2009))

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Chemical Pathology (cont'd)	General Chemistry (cont'd) Serum (cont'd)	Gamma Glutamyl Transferase (GGT) by Spectrophotometry	Roche cobas pro system, GGT-2 assay
		Globulin by Calculation	Roche cobas pro system (calculated from serum Protein, Total and serum albumin)
		Phosphorus by Spectrophotometry	Roche cobas pro system, PHOS2 assay
		Potassium by Potentiometry (indirect ion selective electrode)	Roche cobas pro system, ISE-K assay
		Protein, Total by Spectrophotometry	Roche cobas pro system, TP2 assay
		Sodium by Potentiometry (indirect ion selective electrode)	Roche cobas pro system, ISE-NA assay
		Triglyceride by Spectrophotometry	Roche cobas pro system, TRIGL assay
		Urea by Spectrophotometry	Roche cobas pro system, UREAL assay
		Uric acid by Spectrophotometry	Roche cobas pro system, UA2 assay
	Fluoride plasma	Glucose by Spectrophotometry	Roche cobas pro system, GLUC3 assay

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Chemical Pathology (cont'd)	Hormones Serum	Thyroid stimulating hormone (TSH) by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys TSH assay
		Thyroxine by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys T4 assay
		Thyroxine, Free (FT4) by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys FT4 IV assay
		Tri-iodothyronine by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys T3 assay
		Tri-iodothyronine, Free (FT3) by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys FT3 III assay
	Tumour Markers Serum	Alpha-1-fetoprotein (AFP) by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys AFP assay
		CA 125 by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys CA 125 II assay
		CA 19-9 by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys CA 19-9 assay
		Carcinoembryonic antigen (CEA) by Immunoassay (Electrochemiluminescence label)	Roche cobas pro system, Elecsys CEA assay
		Prostate specific antigen (PSA), Total by Immunoassay (Chemiluminescence label)	Abbott Alinity i System, Total PSA Reagent Kit



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Clinical Microbiology and Infection	Urinalysis and/or urine microscopy Urine	Urinalysis by automated method, including: <ul style="list-style-type: none"> <li>- Specific Gravity</li> <li>- pH</li> <li>- Protein</li> <li>- Sugar</li> <li>- Haemolysed Blood</li> <li>- Nitrite</li> </ul> Urine formed elements by <ul style="list-style-type: none"> <li>- Automated urine microscopy system</li> <li>- Microscopic examination with fixed volume in microtitre plate well</li> </ul>	Sysmex UC-3500 Method as documented in MB-SOP-XAM-UR Urinalysis MB-SOP-EQU-SYSMEX Sysmex UN-2000
	Virology – Serology Serum	Hepatitis B virus surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System HBsAg Qualitative II assay Abbott Alinity i System HBsAg Qualitative II Confirmatory Assay
		Hepatitis C virus antibody (Anti-HCV) by Immunoassay (Chemiluminescent label)	Abbott Alinity i System Anti-HCV II assay
		Human immunodeficiency virus I & II antibody and p24 antigen by Immunoassay (Chemiluminescent label)	Abbott Alinity i System HIV Ag/Ab Combo assay

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Haematology	<b>Blood Bank – General</b> EDTA whole blood	ABO and D typing by Red cell agglutination, automated method Red cell agglutination, manual method  Antibody screening by Red cell agglutination	Bio-Rad IH-500 System Method as documented in BB-SOP-BG-BR Method as documented in BB-SOP-BG-MM  Bio-Rad IH-500 System and manual card method Method as documented in BB-SOP-ABS
	<b>Coagulation</b> Citrate blood	Coagulation studies, automated including Prothrombin Time (PT) Activated partial thromboplastin time (APTT)	Sysmex CN-6000 PT method as documented in HS-SOP-SCN-PT APTT method as documented in HS-SOP-SCN-APTT
	<b>Haematology – General</b> EDTA whole blood	Complete blood count, automated, including: Haematocrit (HCT) Haemoglobin (HGB) Leucocyte count (WBC) Leucocyte differential count Mean corpuscular haemoglobin (MCH) Mean corpuscular haemoglobin concentration (MCHC) Mean corpuscular volume (MCV) Platelet count (PLT) Red cell count (RBC) Red cell distribution width (RDW)	Sysmex XN-3000 Method as documented in HS-SOP-CBC
	<b>Haematology – Special</b> EDTA whole blood	Haemoglobin A1c (HbA1c) by Ion exchange high performance liquid chromatography	Bio-Rad D-10 Haemoglobin Testing System Method as documented in HS-SOP-HbA1c