



Hospital Authority - Hong Kong Red Cross Blood Transfusion Service
醫院管理局 - 香港紅十字會輸血服務中心

ADDRESS : 15 King's Park Rise, Kowloon, Hong Kong
地址 : 九龍京士柏道十五號

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CLIENTELE : Medical Testing : Public and private hospitals and clinics
服務對象 : 醫務化驗 : 公營及私營醫院和診所
Proficiency Testing Providers : Local and overseas laboratories
能力驗證提供者 : 本地及外地實驗室

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ADDRESS : 15 King's Park Rise, Kowloon, Hong Kong

地址 香港九龍京士柏道十五號

- (i) Reference Laboratory, 4/F, New Annex Building
- (ii) Cord Blood Bank, 2M/F, New Annex Building
- (iii) Quality Control and Calibration Laboratory, 1M/F, New Annex Building
- (iv) Infectious Diseases Screening Laboratory, 3/F, New Annex Building
- (v) Microbiology Laboratory, 4/F, New Annex Building
- (vi) Nucleic Acid Testing Laboratory, 3/F, New Annex Building
- (vii) Blood Grouping Laboratory, 4/F, New Annex Building

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

化驗所主管 Dr TSOI Wai-chiu

蔡偉超醫生

MBChB, FRCPA, FHKCPath, FHKAM(Path)

PATHOLOGIST IN CHARGE OF THE ACCREDITED DISCIPLINE : Haematology 血液學

Dr TSOI Wai-chiu 蔡偉超醫生

(Full-time 全職)

負責認可範疇的病理學
專科醫生

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

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)

Proficiency Testing Providers 能力驗證提供者

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Reference Laboratory: 4/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

參考研究化驗室: 香港九龍京士柏道十五號新翼大樓四樓

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 blood and clotted blood	Investigation of haemolytic disease of newborn, including: ABO and Rh(D) typing by Red Cell Agglutination	Method as documented in WIRFL311 and WIRFL312
		Red cell antigen phenotyping by Direct Agglutination Test Indirect Antiglobulin Test	Method as documented in WIRFL311 Method as documented in WIRFL311
		Antibody identification by tests as listed above	Method as documented in WIRFL314 and WIRFL319
	Blood Bank – General EDTA blood	Red cell antigen phenotyping by Direct Agglutination test Indirect Antiglobulin test Solid phase red cell adherence	Method as documented in WIRFL311 and WIRFL401 Method as documented in WIRFL311 and WIRFL401 Immucor NEO IRIS autoanalyser Method as documented in WIRFL401
		Blood Bank – Special EDTA blood and clotted blood	Antibody identification by Direct Agglutination Test
	Direct Antiglobulin Test by Conventional method Bio-Rad GEL test		Method as documented in WIRFL314 Method as documented in WIRFL314
	Saline Indirect Antiglobulin Test		Method as documented in WIRFL314
	Polyethylene glycol - Indirect Antiglobulin Test		Method as documented in WIRFL314
	Enzyme - Indirect Antiglobulin Test		Method as documented in WIRFL314
	Low Ionic Strength Solution - Indirect Antiglobulin Test	Method as documented in WIRFL314	
Bio-Rad GEL - Indirect Antiglobulin Test	Method as documented in WIRFL314		

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參考研究化驗室: 香港九龍京士柏道十五號新翼大樓四樓

MEDICAL TESTING			
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Haematology (cont'd)	Blood Bank – Special (cont'd) EDTA blood and clotted blood (cont'd) EDTA blood EDTA blood and clotted blood Saliva	Antibody identification (cont'd): Antibody adsorption by Human platelet concentrate adsorption Cold autologous adsorption Warm/Cold autologous adsorption - ZAPP technique Warm homologous adsorption Heat elution Acid elution Antibody neutralization - Urine neutralization test - Pooled plasma inhibition test Antibody titration Solid phase red cell adherence ABO blood grouping anomaly investigation: ABO – by Red Cell Agglutination ABO – by Adsorption and elution for weak ABO variant ABO – by Saliva Testing for ABH Substances	Method as documented in WIRFL317 Method as documented in WIRFL317 Method as documented in WIRFL317 Method as documented in WIRFL317 Method as documented in WIRFL316 Method as documented in WIRFL316 Method as documented in WIRFL317 Method as documented in WIRFL317 Method as documented in WIRFL314 Immucor NEO IRIS autoanalyser Method as documented in WIRFL314 Method as documented in WIRFL312 Method as documented in WIRFL313 Method as documented in WIRFL313

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MEDICAL TESTING			
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Haematology (cont'd)	Blood Bank – Special (cont'd) EDTA blood EDTA blood and clotted blood	Rh(D) anomaly investigation : Rh(D) – by Red Cell Agglutination Rh(D) – Weak D Testing by Indirect Antiglobulin Test Rh(D) – Test for DEL phenotype by Adsorption and elution Rh(D) – Partial D Typing by partial D typing kit Transfusion reaction, including: ABO and Rh(D) typing by Red Cell Agglutination Red cell antigen phenotyping by Direct Agglutination Test Indirect Antiglobulin Test Antibody identification by tests as listed above Crossmatching by Direct Agglutination Test Indirect Antiglobulin Test	Method as documented in WIRFL312 Method as documented in WIRFL313 Method as documented in WIRFL313 Method as documented in WIRFL313 Method as documented in WIRFL311 and WIRFL312 Method as documented in WIRFL401 Method as documented in WIRFL401 Methods as documented in WIRFL314 and WIRFL317 Method as documented in WIRFL318 Method as documented in WIRFL318

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Cord Blood Bank: 2M/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

臍血庫: 香港九龍京士柏道十五號新翼大樓二樓閣樓

MEDICAL TESTING			
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Haematology	Haematology – Special Cord blood, peripheral blood, stem cell, bone marrow	Automated haematology counting, including - Platelet count - Red blood cell count - White blood cell count Automated Haemoglobin Determination Viable CD34+ cell enumeration	Sysmex XN-350 Haematology analyser Sysmex XN-350 Haematology analyser Beckman Coulter Cytomics FC500 Flow Cytometer Beckman Coulter Navios Ex

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Quality Control and Calibration Laboratory: 1M/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

質量控制及校正化驗室: 香港九龍京士柏道十五號新翼大樓一樓閣樓

MEDICAL TESTING			
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Haematology	Haematology – General EDTA blood, platelet concentrate and plasma	Automated Haematology Counting: White Blood Cell Count Red Blood Cell Count Platelet Count	Beckman Coulter DxH900 Haematology Analyser
	Haematology – Special Cord blood, peripheral blood, stem cell, bone marrow	Automated Haemoglobin Determination	Beckman Coulter DxH900 Haematology Analyser
		Nucleated cell count, total	Beckman Coulter DxH900 Haematology Analyser

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Infectious Diseases Screening Laboratory: 3/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

傳染病檢驗化驗室: 香港九龍京士柏道十五號新翼大樓三樓

MEDICAL TESTING			
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Clinical Microbiology and Infection	Syphilis serology EDTA blood and clotted blood	<i>Treponema pallidum</i> antibody by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i2000SR Syphilis TP assay
		<i>Treponema pallidum</i> Passive Particle Agglutination examination (TPPA)	Method as documented I nWIIDS241 using SERODIA TPPA kit
	Virology – Serology EDTA blood and clotted blood	Cytomegalovirus antibody (IgG) by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i2000SR CMV IgG assay
		Cytomegalovirus antibody (IgM) by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i2000SR CMV IgM assay
		Hepatitis C virus antibody by Immunoassay (Chemiluminescent microparticle immunoassay (CMIA)) Immunoassay (Enzyme-based label)	Abbott Alinity s Anti-HCVII assay, WIIDS240 Murex anti-HCV version 4.0
		Human immunodeficiency virus antigen and antibody by Immunoassay (Chemiluminescent microparticle immunoassay (CMIA)) Immunoassay (Enzyme-based label)	Abbott Alinity s HIV Ag/Ab Combo assay, WIIDS240 HIV Duo Ultra and VIDAS instrument, bioMerieux
		Human T-cell lymphotropic virus I and II antibody by Immunoassay (Chemiluminescent microparticle immunoassay (CMIA))	Abbott Alinity s HTLV I/II assay, WIIDS240
Hepatitis B surface antigen (HBsAg) by Immunoassay (Chemiluminescent microparticle immunoassay (CMIA))	Abbott Alinity s HBsAg assay, WIIDS240		

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Microbiology Laboratory: 4/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

微生物學化驗室: 香港九龍京士柏道十五號新翼大樓四樓

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Clinical Microbiology and Infection	Microbiology – Miscellaneous tests Platelet samples	Bacterial surveillance tests	Method as documented in WIMBL203 (BacT/ALERT BPA and BPN culture bottles used with BacT/ALERT microbial System by bioMerieux)

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Nucleic Acid Testing Laboratory: 3/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

核酸測試化驗室: 香港九龍京士柏道十五號新翼大樓三樓

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Medical Genetics	Molecular Genetics EDTA blood	Detection of Hepatitis B virus, qualitative by Nucleic Acid Amplification Test (Target gene: proprietary) Detection of Hepatitis C virus, qualitative by Nucleic Acid Amplification Test (Target gene: proprietary) Detection of Human immunodeficiency virus, qualitative by Nucleic Acid Amplification Test (Target gene: proprietary) Detection of Hepatitis E virus, qualitative by Nucleic Acid Amplification Test (Target gene: proprietary)	Nucleic acid extraction, amplification and detection by Procleix PANTHER system, Procleix UltrioPlex E Assay Method as documented in WINAT210 and WINAT202 Nucleic acid extraction, amplification and detection by Procleix PANTHER system, Procleix UltrioPlex E Assay Method as documented in WINAT210 and WINAT202 Nucleic acid extraction, amplification and detection by Procleix PANTHER system, Procleix UltrioPlex E Assay Method as documented in WINAT210 and WINAT202 Nucleic acid extraction, amplification and detection by Procleix PANTHER system, Procleix UltrioPlex E Assay Method as documented in WINAT210 and WINAT202

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Blood Grouping Laboratory: 4/F, New Annex Building, 15 King's Park Rise, Kowloon, Hong Kong

血型檢測化驗室: 香港九龍京士柏道十五號新翼大樓四樓

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Haematology	Blood Bank – General EDTA blood	ABO grouping by Automated microplate agglutination	Beckman Coulter PK7400 Automated Blood Grouping Analyser
		Manual agglutination	Method as documented in WIBGL303
		D typing by Automated microplate agglutination	Beckman Coulter PK7400 Automated Blood Grouping Analyser
		Manual agglutination	Method as documented in WIBGL303
		ABO and D typing by Automated column agglutination	Bio-Rad IH-500 Autoanalyser Method as documented in WIBGL601
Antibody Screening by Solid phase red cell adherence	Immucor NEO IRIS autoanalyser Method as documented in WIBGL512		

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香港九龍京士柏道十五號

PROVISION OF PROFICIENCY TESTING SCHEMES 提供能力驗證		
PROFICIENCY TESTING SCHEME AND ITEM 能力驗證計劃及項目	MEASURAND OR CHARACTERISTIC MEASURED 測試參數或特質	PROFICIENCY TESTING SCHEME PROCEDURE# 能力驗證計劃程序
Proficiency Testing Scheme for Medical Testing: Blood Transfusion Serology and Practice Human red cells and plasma Human plasma Human red cells and plasma Human red cells Human red cells	- ABO and D Grouping - Red Cell Antibody Detection <ul style="list-style-type: none"> • Antibody screening • Antibody identification - Crossmatching - Red Cell Phenotyping - Direct Antiglobulin Test	Procedures as documented in WIRFL551 and WIRFL552

INCLUDING PROCEDURES FOR DETERMINING ASSIGNED VALUES AND THE UNCERTAINTY