

**Hospital Authority - Tseung Kwan O Hospital, Department of Pathology**

醫院管理局-將軍澳醫院病理部

**ADDRESS**

**地址**

**Main facility:**

Main Building, Tseung Kwan O Hospital, 2 Po Ning Lane, Hang Hau, Tseung Kwan O, Kowloon, Hong Kong

香港九龍將軍澳坑口寶寧里二號將軍澳醫院主座大樓

- (i) Anatomical Pathology Laboratory, 3/F
- (ii) Autopsy Service, LG
- (iii) Core Laboratory - Chemical Pathology and Haematology, 3/F
- (iv) Clinical Microbiology and Infection Laboratory, 3/F
- (v) Blood Bank, 3/F

**Branch facility:**

2/F, Haven of Hope Hospital, 8 Haven of Hope Road, Tseung Kwan O, Kowloon, Hong Kong

香港九龍將軍澳靈實路八號靈實醫院二樓

- (i) TB Laboratory
- (ii) Blood Bank (only issue of blood products)

**LABORATORY DIRECTOR**

化驗所主管

**: Pathologist Director 病理學主管:**

Dr LAM Wing-sun

林永新醫生

MBBS(HK), FHKCPath, FHKAM(Path)

**PATHOLOGIST IN CHARGE OF THE ACCREDITED DISCIPLINE**

負責認可範疇的病理學  
專科醫生

**: Anatomical Pathology 解剖病理學**

Dr LAM Wing-sun 林永新醫生 (Full-time 全職)

Clinical Microbiology and Infection 臨床微生物學及傳染病

Dr LEE Kin-ping 李建屏醫生 (Full-time 全職)

Haematology 血液學

Dr LIANG Yu-shan 梁玉珊醫生 (Full-time 全職)

**ACCREDITED TEST CATEGORY**

認可測試類別

**: Medical Testing 醫務化驗**

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)

**Hospital Authority - Tseung Kwan O Hospital, Department of Pathology**

醫院管理局-將軍澳醫院病理部

Autopsy Service: LG, Main Building, Tseung Kwan O Hospital, 2 Po Ning Lane, Hang Hau, Tseung Kwan O, Kln., H.K.  
 香港九龍將軍澳坑口寶寧里二號將軍澳醫院主座大樓低層地下

**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
<p><b>This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.</b></p>			
<p><b>Anatomical Pathology</b></p>	<p><b>Autopsy</b> Adult</p>	<p>Autopsy examination by H&amp;E and special staining</p>	<p>Autopsy method and specimen preparation: Method as documented in MOR-SOP-收取_發放及瞻仰遺體指引, MOR-SOP-解剖個案處理程序</p> <p>Routine and special staining as in Histopathology: Haematoxylin and Eosin staining: HISTO-SOP-HE Special and immunohistochemical staining: HISTO-SOP-SStain; HISTO-SOP-IMH</p>

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Anatomical Pathology Laboratory: 3/F, Main Building, Tseung Kwan O Hospital, 2 Po Ning Lane, Hang Hau, Tseung Kwan O, Kln., H.K.

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<b>Anatomical Pathology</b>	<b>Cytopathology</b> Gynaecological specimens	Gynaecological cytology examination by Papanicolaou staining	Specimens preparation and routine staining (both automation and manual), for: ThinPrep + Papanicolaou staining Method as documented in CYTO-SOP-C00001, CYTO-SOP-C00004, CYTO-SOP-C00005, CYTO-SOP-C00006  Manual screening: Method as documented in CYTO-SOP-C00003
	Non-gynaecological specimens	Non-gynaecological cytology examination by Papanicolaou and special staining	Specimen preparation and routine staining of Papanicolaou stain EA50 (both automation and manual method): Method as documented in CYTO-SOP-C00001, CYTO-SOP-C00004, CYTO-SOP-C00005  Special staining (manual method): Method as documented in CYTO-SOP-C00004 and HISTO-SOP-Sstain: Eosinophil by 'modified' Haematoxylin and Eosin Hemosiderin by Perls Prussian Blue Crystals by wet mount  Method for infectious agents as documented in HISTO-SOP-Sstain: Acid-fast-bacilli by Ziehl-Neelsen Fungi by Grocott's Methenamine Silver Pneumocystis carinii by Grocott's Methenamine Silver  Manual screening: Method as documented in CYTO-SOP-C00003
	Fine needles aspirates	Fine Needle Aspiration cytology examination by H&E, Papanicolaou and Diff Quik staining	Specimen preparation and routine staining (both automation and manual method): Method as documented in CYTO-SOP-C00001, CYTO-SOP-C00002, CYTO-SOP-C00004, CYTO-SOP-C00005: Haematoxylin and Eosin stain Papanicolaou stain Diff Quik stain

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<b>Anatomical Pathology</b> (cont'd)	<b>Histopathology</b> Surgical pathology	Histology examination by H&E and special staining	Specimen preparation and Haematoxylin and Eosin staining by manual and automatic method: Method as documented in HISTO-SOP-Biopsy, HISTO-SOP-Dissect, HISTO-SOP-TP, HISTO-SOP-Embed, HISTO-SOP-PS, HISTO-SOP-HE, HISTO-SOP-Scover, HISTO-SOP-HUS, HISTO-SOP-Slidecheck  Special staining (manual method): Methods as documented in HISTO-SOP-SStain  For Carbohydrate: Acid mucins by Alcian Blue pH 2.5 Acidic and neutral mucins by Alcian Blue/ Periodic Acid Schiff Glycogen by Periodic Acid Schiff with digestion Glycol groups by Periodic Acid Schiff Mucins by Alcian Blue + Hyaluronidase Mucins by Southgate's Mucicarmin  For Connective tissue: Basement membrane by Gomori's Periodic Acid Silver Methenamine Connective tissue by Masson's Trichome Connective tissue by van Gieson's Picro-fuchsin Elastic fibres by Humberstone Victoria Blue Reticulin by Gordon & Sweet's Silver  For Microorganisms: Acid-fast bacilli by Ziehl Neelsen Bacteria by Gram Twort Fungi by Grocott's Methenamine Silver Hepatitis B Surface Antigen by Shikata's Orcein Price's Giemsa Mycobacterium leprae by Wade Fite Spirochetes by Warthin-Starry's Silver

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<b>Anatomical Pathology</b> (cont'd)	<b>Histopathology</b> (cont'd) Surgical pathology (cont'd)	Histology examination by H&E and special staining (cont'd)	Special staining (manual method) (cont'd): For Pigments and Minerals: Bile by Fouchet's Technique Calcium by von Kossa Silver Copper by Rhodanine method Haemosiderin by Perl's Prussian Blue Lipofuscin by Long Ziehl Neelsen Melanin by Masson Fontana ± Bleaching Urate crystal by Grocott's Methenamine Silver  Amyloid by Highman's Congo Red and Crystal Violet Fibrin by Martius Scarlet Blue Lipid by Oil Red O or Sudan Black B Mast cells by Chloroacetate Esterase or Toluidine Blue Myelinated fibres by Luxol Fast Blue
	Intra-operative frozen section	Histology examination by H&E staining	Specimen preparation and Haematoxylin and Eosin staining by manual method: Method as documented in HISTO-SOP-IOFS, HISTO-SOP-Biopsy, HISTO-SOP-Dissect, HISTO-SOP-HE, HISTO-QPP-FSReport
	Fresh tissue specimens and biopsies	Histology examination by H&E staining	Specimen preparation and Haematoxylin and Eosin staining by manual method: Method as documented in HISTO-SOP-SpecialBiopsy, HISTO-SOP-Biopsy, HISTO-SOP-HE

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Anatomical Pathology (cont'd)	<b>Immunohistochemistry</b> Renal, skin biopsies  Histological and cytological specimens	Immunofluorescence examination by Manual and automated method  Immunohistochemical examination for various antigen markers by Automatic method	Specimen preparation and staining by Direct Immunofluorescence Method as documented in HISTO-SOP-IMH For IgA/IgM/IgG/C1q/Complement 3/ Fibrinogen/Kappa/Lambda Detection system: Bond Polymer Refine Detection by Leica Bondmax immunostainer and Leica Bond III immunostainer  Slide preparation and staining (automatic method): Method as documented in HISTO-SOP-IMH Antigen retrieval: On-board retrieval by Leica Bondmax immunostainer Detection system: Bond Polymer Refine Detection Leica Bondmax immunostainer  Antigen retrieval: On-board retrieval by Leica Bond III immunostainer Detection system: Bond Polymer Refine Detection Leica Bond III immunostainer

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<b>Chemical Pathology</b>	<b>Blood gases and co-oximetry</b> Whole blood (Heparinized blood)	Actual Bicarbonate by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
		Base Excess-vt by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
		Ionized calcium by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		Methaemoglobin by Co-oximetry	Siemens Rapidlab1265 Blood Gas Analyzer
		Carboxyhemoglobin by Co-oximetry	Siemens Rapidlab1265 Blood Gas Analyzer
		O <sub>2</sub> Saturation by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
		pCO <sub>2</sub> by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		pH by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		pO <sub>2</sub> by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		Total CO <sub>2</sub> by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
	<b>General chemistry</b> Serum	Alanine transaminase (ALT) by Spectrophotometry	Beckman Coulter AU5800 ALT Assay
		Albumin by Spectrophotometry	Beckman Coulter AU5800 Albumin Assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Beckman Coulter AU5800 ALP Assay
		Alkaline Phosphatase (ALP), heat stable by Spectrophotometry	Beckman Coulter AU5800 ALP Assay and heat inactivation
			Method as documented in CORE-SOP-HALP_AU

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Chemical Pathology (cont'd)	General chemistry (cont'd) Plasma, EDTA	Ammonia by Spectrophotometry	Beckman Coulter AU5800 with Thermo Fisher Ammonia Assay
	Plasma, heparin	Bilirubin, Neonatal by Spectrophotometry	Beckman Coulter AU5800 Total Bilirubin Assay
	Serum	Amylase by Spectrophotometry	Beckman Coulter AU5800 Amylase Assay
		Aspartate aminotransferase (AST) by Spectrophotometry	Beckman Coulter AU5800 AST Assay
		Bilirubin, Direct by Spectrophotometry	Beckman Coulter AU5800 Direct Bilirubin Assay
		Bilirubin, Total by Spectrophotometry	Beckman Coulter AU5800 Total Bilirubin Assay
		Calcium by Spectrophotometry	Beckman Coulter AU5800 Calcium (ARSENZO) Assay
		Chloride by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 Chloride Assay
		Cholesterol by Spectrophotometry	Beckman Coulter AU5800 Cholesterol Assay
		Cholesterol High Density Lipoprotein, (HDL-C) by Spectrophotometry (Direct measurement)	Beckman Coulter AU5800 HDL Cholesterol Assay
		Creatine kinase by Spectrophotometry	Beckman Coulter AU5800 CK Assay
Creatinine by Spectrophotometry	Beckman Coulter AU5800 Creatinine (Enzymatic) Assay		
Gamma glutamyl transferase by Spectrophotometry	Beckman Coulter AU5800 GGT Assay		



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Chemical Pathology (cont'd)	General chemistry (cont'd)		
	Plasma, fluoride	Glucose, 2 hrs by Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
		Glucose, fasting by Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
		Glucose, spot by Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
		Glucose, tolerance test by Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
	Serum	Iron by Spectrophotometry	Beckman Coulter AU5800 Iron Assay
	Plasma, fluoride	Lactate by Spectrophotometry	Beckman Coulter AU5800 Lactate Assay
	Serum	Lactate Dehydrogenase (LDH) by Spectrophotometry	Beckman Coulter AU5800 LDH Assay
		Lipid profile - Cholesterol, Total by Spectrophotometry	Beckman Coulter AU5800 Cholesterol Assay
		- Cholesterol, High Density Lipoprotein (HDL-C) by Spectrophotometry	Beckman Coulter AU5800 HDL-Cholesterol Assay
	- Cholesterol, Low Density Lipoprotein (LDL-C) by Calculation	Beckman Coulter AU5800 (Calculated test using Friedewald Formula)	
	- Triglyceride by Spectrophotometry	Beckman Coulter AU5800 Triglyceride Assay	

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Chemical Pathology (cont'd)	General chemistry (cont'd) Serum (cont'd)	Liver Function Test by Spectrophotometry, including - Albumin - ALP - ALT - Globulin (calculated)  - Total Bilirubin - Total Protein  Magnesium by Spectrophotometry  Osmolality by Freezing point depression  Phosphate by Spectrophotometry  Potassium by Potentiometric method  Protein, Total by Spectrophotometry  Renal Function Test by Potentiometry and Spectrophotometry, including - Creatinine - Potassium - Sodium - Urea  Sodium by Potentiometry (Ion Selective Electrode)  Triglyceride by Spectrophotometry  Troponin I by Immunoassay (Chemiluminescent label)	Beckman Coulter AU5800 Albumin Assay Beckman Coulter AU5800 ALP Assay Beckman Coulter AU5800 ALT Assay Beckman Coulter AU5800 (Calculated test using Albumin and Total Protein) Beckman Coulter AU5800 Bilirubin-Total Assay Beckman Coulter AU5800 Total Protein Assay  Beckman Coulter AU5800 Magnesium Assay  Arkray OM-6060  Beckman Coulter AU5800 Phosphate Assay  Beckman Coulter AU5800 Potassium Assay  Beckman Coulter AU5800 Total Protein Assay  Beckman Coulter AU5800 respective assays  Beckman Coulter AU5800 Sodium Assay  Beckman Coulter AU5800 Triglyceride Assay  Beckman Coulter UniCel DxI 800 hsTNI Assay

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<b>Chemical Pathology</b> (cont'd)	<b>General chemistry</b> (cont'd) Serum (cont'd)	Unsaturated Iron Binding Capacity (UIBC) by Spectrophotometry	Beckman Coulter AU5800 UIBC Assay
		Urate by Spectrophotometry	Beckman Coulter AU5800 Urate Assay
		Urea by Spectrophotometry	Beckman Coulter AU5800 Urea Assay
	Spot Urine	Calcium by Spectrophotometry	Beckman Coulter AU5800 Calcium (ARSENAZO) Assay
	Urine (Spot or 24 hour)	Chloride by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 Chloride Assay
		Creatinine by Spectrophotometry	Beckman Coulter AU5800 Creatinine (Enzymatic) Assay
		Magnesium by Spectrophotometry	Beckman Coulter AU5800 Magnesium Assay
		Microalbumin /Creatinine ratio by Calculation	Beckman Coulter AU5800 (Calculated test using urine albumin and urine creatinine)
		Osmolality by Freezing point depression	Arkray OM-6060
		Phosphate by Spectrophotometry	Beckman Coulter AU5800 Phosphate Assay
		Potassium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 Potassium Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 Urine/CSF Protein Assay
	Protein /Creatinine ratio by Calculation	Beckman Coulter AU5800 (Calculated test using urine protein and urine creatinine)	

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<b>Chemical Pathology</b> (cont'd)	<b>General chemistry</b> (cont'd) Urine (Spot or 24 hour) (cont'd)  24 hour urine  Body fluid	Sodium by Potentiometry (Ion Selective Electrode)  Urate by Spectrophotometry  Urea by Spectrophotometry  Creatinine clearance by Calculation  Microalbumin by Immunoturbidimetry  Albumin by Spectrophotometry  Amylase by Spectrophotometry  Calcium by Spectrophotometry  Cholesterol by Spectrophotometry  Glucose by Spectrophotometry  Lactate dehydrogenase (LDH) by Spectrophotometry  Protein, Total by Spectrophotometry  Triglyceride by Spectrophotometry	Beckman Coulter AU5800 Sodium Assay  Beckman Coulter AU5800 Urate Assay  Beckman Coulter AU5800 Urea Assay  Beckman Coulter AU5800 (Calculated test using urine creatinine and urine volume)  Beckman Coulter AU5800 Urine Albumin Assay  Beckman Coulter AU5800 Albumin Assay  Beckman Coulter AU5800 Amylase Assay  Beckman Coulter AU5800 Calcium (ARSENZO) Assay  Beckman Coulter AU5800 Cholesterol Assay  Beckman Coulter AU5800 Glucose Assay  Beckman Coulter AU5800 LDH Assay  Beckman Coulter AU5800 Protein Assay  Beckman Coulter AU5800 Triglyceride Assay

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<b>Chemical Pathology</b> (cont'd)	<b>General chemistry</b> (cont'd) CSF	Glucose by Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 Urine/CSF Protein Assay
	<b>Special chemistry</b> Stool	Occult blood by Latex agglutination	Kyowa Medex HM-Jack Auto Analyser
	<b>Hormones</b> Serum	Cortisol by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 Cortisol Assay
		Human Chorionic Gonadotropin (HCG) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 HCG Assay
		Triiodothyronine, Free (FT3) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 FT3 Assay
		Thyroid function test (TFT) by Immunoassay (Chemiluminescent label) including - Thyroid stimulating hormone (TSH) - Thyroxine, Free (FT4) - Triiodothyronine, Free (FT3)	Beckman Coulter UniCel DxI 800 TSH Assay Beckman Coulter UniCel DxI 800 FT4 Assay Beckman Coulter UniCel DxI 800 FT3 Assay
		Thyroid stimulating hormone (TSH) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 TSH Assay
		Thyroxine, Free (FT4) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 FT4 Assay
	<b>Proteins, quantitative analysis</b> Serum	Ferritin by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 Ferritin Assay

**Hospital Authority - Tseung Kwan O Hospital, Department of Pathology**

醫院管理局-將軍澳醫院病理部

Core Laboratory: 3/F, Main Building, Tseung Kwan O Hospital, 2 Po Ning Lane, Hang Hau, Tseung Kwan O, Kln., H.K.

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<b>MEDICAL TESTING</b>			
<b>DISCIPLINE</b> 專科範疇	<b>TEST AREA</b> <b>OR SAMPLE TYPE</b> 測試範圍或樣本種類	<b>SPECIFIC EXAMINATION OR</b> <b>PROPERTY MEASURED</b> 特定測試或量度的特性	<b>METHOD</b> <b>OR TECHNIQUE USED</b> 方法或應用技術
<b>This laboratory is accredited for performing examinations listed below.</b>			
<b>Chemical Pathology</b> (cont'd)	<b>Toxicology</b> Serum	Acetaminophen by Spectrophotometry	Beckman Coulter AU5800 Paracetamol Assay
		Ethanol by Spectrophotometry	Beckman Coulter AU5800 with Thermo Scientific DRI® Ethyl Alcohol Assay
		Salicylate by Spectrophotometry	Beckman Coulter AU5800 with Siemens Emit® tox™ Salicylic Acid Assay
	<b>Tumour markers</b> Serum	Alpha-feto protein (AFP) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 AFP Assay
		CA 125 by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 OV Monitor Assay
		Carcino-embryonic antigen (CEA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 CEA Assay
	Prostate specific antigen (PSA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 Hybritech PSA Assay	

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<b>Haematology</b>	<b>Coagulation</b> Citrated plasma	Coagulation studies including - Prothrombin time (PT) - Activated partial thromboplastin time (APTT)  - Fibrinogen  D-Dimer by - Immunoassay (Enzyme-based label)	Automated coagulation system: Sysmex CS-5100 Viscosity-based detection system - Diagnostic Stago SStart® semi-automated analyser Automated coagulation system: Sysmex CS-5100  BioMerieux mini Vidas D-Dimer Exclusion II Assay
	<b>Haematology - General</b> EDTA whole blood	Complete blood count including - Haemoglobin - Haematocrit - Leucocyte count (WBC count) - Leucocyte differential count - Mean corpuscular volume (MCV) - Mean corpuscular haemoglobin concentration (MCHC) - Mean corpuscular haemoglobin (MCH) - Platelet count - Red cell count - Red cell distribution width (RDW) - Mean platelet volume (MPV)  Leucocyte differential count by Automated method  Malaria parasite examination by Thick and thin films  Peripheral blood smear examination by May Grunwald Giemsa  Reticulocyte count by Automated method  Reticulocyte count by Manual method	Automated system: Sysmex XN-3000 Haematology System        Sysmex XN-3000 Haematology System  Smear preparation and Giemsa staining as documented in CORE-SOP-MP  Method as documented in CORE-SOP-CBP-gp  Sysmex XN-3000 Haematology System  Method as documented in CORE-SOP-CBP-gp

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<b>Haematology</b> (cont'd)	<b>Haematology - Special</b> EDTA marrow blood aspirate, clot and trephine biopsy  EDTA whole blood	Bone marrow examination  Glucose-6-phosphate dehydrogenase screening test (G6PDH) by Fluorescence method  Haemoglobin A1c (HbA1c) by High performance liquid chromatography  Haemoglobin pattern by - Capillary electrophoresis	Smear preparation and staining by May Grunwald Giemsa and Perls' Prussian Blue as documented in CORE-SOP-BM  Trinity G6PDH screening Test as documented in CORE-SOP-G6PDH  Premier Hb9210  Sebia Capillarys 2 & method documented in CORE-SOP-HbP_Gp



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<b>Haematology</b>	<b>Blood bank - Antenatal screening</b> EDTA whole blood	ABO and Rh(D) typing plus antibody investigation if required	Method as documented in BB-SOP-ANScreen using Bio-Rad IH-1000 and Bio-Rad IH-500
	<b>Blood bank - General</b> EDTA whole blood	ABO and Rh (D) typing by Red cell agglutination	Tile and tube techniques as documented in BB-SOP-ABO Typing, Tube technique as documented in BB-SOP-Rh(D) Typing Bio-Rad IH-1000 as documented in BB-SOP-IH1000 Bio-Rad IH-500 as documented in BB-SOP-IH500
		Antibody screening by Indirect antiglobulin test	Bio-Rad gel technique using Bio-Rad IH-1000 and Bio-Rad IH-500
		Crossmatch by Electronic crossmatch Immediate spin Indirect antiglobulin test	Method as documented in BB-SOP-XM, using Bio-Rad IH-1000 and Bio-Rad IH-500
		Indirect antiglobulin test by Saline (NISS)	Conventional technique and pre-warm technique as documented in BB-SOP-Saline-IAT, BB-SOP-Prewarm
		Red cell phenotyping by Direct agglutination Indirect antiglobulin test	Method as documented in BB-SOP-RBC Pheno, BB-SOP-anti-A1, BB-SOP-Anti-H
	<b>Blood bank - Immunohaematology</b> Clotted and EDTA whole blood	Direct antiglobulin test by Red cell agglutination	Tube technique as documented in BB-SOP-DAT
		Indirect antiglobulin test by Red cell agglutination	Bio-Rad gel technique using Bio-Rad IH-1000 and Bio-Rad IH-500

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Haematology (cont'd)	<b>Blood bank - Special</b> Clotted and EDTA whole blood	Autoimmune haemolytic anaemia  Transfusion reaction, including - ABO and Rh(D) typing - Antibody screening - Direct antiglobulin test - Crossmatching  Antibody detection and identification	Methods documented in BB-SOP-ABID, BB-SOP-Elution, BB-SOP-Chloroquine  Method as documented in BB-SOP-Adverse Rx  Method as documented in BB-SOP-ABID, BB-SOP-Panel, BB-SOP- Ab Titre using Bio-Rad IH-1000 and Bio-Rad IH-500

**Hospital Authority - Tseung Kwan O Hospital, Department of Pathology**

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<b>Clinical Microbiology and Infection</b>	<b>Bacteriology - Culture and sensitivity tests and/or microscopy</b>  Blood	Culture and antimicrobial susceptibility tests for pathogens by Aerobic and anaerobic broth culture	Method as documented in MIC-SOP-BCUL using BD BACTEC FX Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP- STPAN
	Bronchoalveolar lavage (BAL) and Protected Specimen Brushings (PSB)	Microscopy for Cell morphology and bacteria by Gram stain Semi-quantitative culture and antimicrobial susceptibility test by Aerobic, CO <sub>2</sub> and anaerobic culture	Culture and microscopy: Method as documented in MIC-SOP-SPCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	CSF	Microscopy for Bacteria by Gram stain  Culture and antimicrobial susceptibility tests for pathogens by Aerobic and CO <sub>2</sub> culture	Method as documented in MIC-SOP-CSFMC  Culture: Method as documented in MIC-SOP-CSFCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN

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<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Bacteriology - Culture and sensitivity tests and/or microscopy (cont'd)</b>  Enteric samples (stool and rectal swab)	Culture and antimicrobial susceptibility test for enteric pathogens by  Aerobic and microaerophilic culture	Culture: Method as documented in MIC-SOP-STCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	Genital samples	Microscopy for Cell morphology and bacteria by Gram Stain Culture and antimicrobial susceptibility test for genital pathogens by Aerobic and CO <sub>2</sub> culture	Culture and microscopy: Method as documented in MIC-SOP-GEN Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	Miscellaneous samples (including pus, body fluid, tissue, swabs, catheters, eye specimens, etc.)	Culture and antimicrobial susceptibility test for <i>Neisseria gonorrhoeae</i> by CO <sub>2</sub> culture  Microscopy for Cell morphology and bacteria by Gram Stain Culture and antimicrobial susceptibility test for pathogens by Aerobic, CO <sub>2</sub> and anaerobic culture	Culture: Method as documented in MIC-SOP-GEN Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
			Culture and microscopy: Method as documented in MIC-SOP-MSCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN

**Hospital Authority - Tseung Kwan O Hospital, Department of Pathology**

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<b>This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.</b>			
<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Bacteriology - Culture and sensitivity tests and/or microscopy (cont'd)</b>  Urine	Culture and antimicrobial sensitivity test for urinary pathogens by Standard loop method and aerobic culture	Culture: Method as documented in MIC-SOP- URINCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	Upper respiratory tract samples (including throat swab, oral swab, nasal swab, etc.)	Culture and antimicrobial susceptibility test for respiratory tract pathogens by Aerobic and CO <sub>2</sub> culture	Culture: Method as documented in MIC-SOP-MSCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	Lower respiratory tract samples (including sputum, bronchial aspirate, tracheal aspirate, etc.)	Microscopy for Cell morphology and bacteria by Gram stain Culture and antimicrobial susceptibility test for respiratory tract pathogens by Aerobic and CO <sub>2</sub> culture	Culture and microscopy: Method as documented in MIC-SOP-SPCU Identification of isolates: Conventional method as documented in MIC-SOP-IDSYM Antimicrobial susceptibility tests: Method as documented in MIC-SOP-STDD & MIC-SOP-STPAN
	Clinical isolates	Identification of clinical isolates by MALDI-TOF Mass Spectrometry  Antimicrobial susceptibility test for pathogens by Automated reading and interpretation system	Method as documented in MIC-SOP-MALDI MicroFlex LT System, Bruker Daltonics  BIOMIC Microbiology System Method as documented in MIC-SOP-BIOMIC

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<b>This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.</b>			
<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Bacteriology - Serology</b> Serum	Anti-Streptolysin O antibody by Latex agglutination test	BIOKIT rheumajet ASO Method as documented in MIC-SOP-SERO
	<b>Microbiology - Miscellaneous tests</b> Urine	Pregnancy test for human chorionic gonadotrophin (hCG) by Immunochromatographic assay	Cortez OneStep hCG Combo Urine/Serum/Plasma RapidCard™InstaTest Method as documented in MIC-SOP-PREG
	Serum	Human procalcitonin, PCT by Enzyme-linked fluorescent assay	bioMerieux VIDAS BRAHMS PCT Assay Method as documented in MIC-SOP-PCT
	<b>Microscopy - Miscellaneous</b> CSF	Microscopy for Cell count by Counting chamber	Method as documented in MIC-SOP-CSFMC
	<b>Mycobacteriology - Microscopy</b> CSF, respiratory and miscellaneous specimens	Microscopy for acid fast bacilli (AFB) by - Auramine O fluorescent stain - Ziehl Neelsen stain	Method as documented in MIC-SOP-AO and MIC-SOP-STAINM

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<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Mycology - Culture, identification and serology</b> Blood	Culture for fungi by Aerobic broth culture	Method as documented in MIC-SOP-BCUL using BD BACTEC FX Identification of isolates: Method as documented in MIC-SOP-MYCO
	<b>Mycology - Microscopy</b> CSF	Microscopy for Encapsulated yeast by India ink  Microscopy for Fungal elements and yeasts by Gram stain <i>Cryptococcus neoformans</i> by India Ink smear Culture for fungi by Aerobic culture	Method as documented in MIC-SOP-CSFMC  Culture and microscopy: Method as documented in MIC-SOP-CSFCU & MIC-SOP-CSFMC Identification of isolates: Method as documented in MIC-SOP-MYCO
	Miscellaneous samples (excluding blood, CSF and dermatological samples)	Microscopy for Fungal elements and yeasts by Gram stain Culture for fungi by Aerobic culture	Culture and microscopy: Method as documented in MIC-SOP-MYCO Identification of isolates: Method as documented in MIC-SOP-MYCO

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<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Parasitology</b> Stool	Microscopy for enteric parasites by Direct wet smear Smear after concentration	Method as documented in MIC-SOP-PARA
	Miscellaneous samples (excluding stool)	Microscopy for parasites by Direct wet smear Smear after concentration	Method as documented in MIC-SOP-PARA
	<b>Syphilis serology</b> Serum	Reagin antibodies in response to <i>Treponema</i> infection by Rapid Plasma Reagin (RPR)	Becton Dickinson Macro-Vue RPR Card Tests Kit Method as documented in MIC-SOP-SERO
		<i>Treponema pallidum</i> antibody by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i1000SR Syphilis TP Assay Method as documented in MIC-SOP-TPA



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<b>Clinical Microbiology and Infection (cont'd)</b>	<b>Urinalysis and/or urine microscopy</b> Urine	Urinalysis by dipstick Glucose Bilirubin Ketone Specific gravity Blood pH Protein Urobilinogen Nitrite  Urine formed element by Microscopic examination with fixed volume in microtitre plate well	Siemens Multistix® 10 SG & Clinitek Advantus™: Method as documented in MIC-SOP-CLINTEK and MIC-SOP-URINRM Roche Cobas u601 urine analyzer Method as documented in MIC-SOP-URINRM & MIC-SOP-COBAS  Method as documented in MIC-SOP-URINRM Roche Cobas u701 microscopy analyzer Method as documented in MIC-SOP-URINRM & MIC-SOP-COBAS
	<b>Virology - Serology</b> Serum	Anti-HBs (Quantitative) by Immunoassay (Chemiluminescent label)  Hepatitis B virus surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)  Immunochromatographic assay  Human immunodeficiency virus antibody by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i1000SR Anti-HBs Assay Method as documented in MIC-SOP-VIRO  Abbott ARCHITECT i1000SR HBsAg Qualitative II Assay HBsAg Qualitative II Confirmative Assay Standard Diagnostic (SD) HBsAg Method as documented in MIC-SOP-VIRO  Abbott ARCHITECT i1000SR HIV Ag/Ab Combo Assay Method as documented in MIC-SOP-VIRO
	Respiratory tract samples	Influenza virus by Immunochromatographic assay  Respiratory syncytial virus by Immunochromatographic assay	Method as documented in MIC-SOP-RINFV  Method as documented in MIC-SOP-RRSVV

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<b>Medical Genetics</b>	<b>Molecular Genetics</b> Respiratory specimens	<p>Influenza A virus, Influenza B virus and Respiratory syncytial virus – detection by Reverse Transcription Real Time Polymerase Chain Reaction, Qualitative (Target region:            Influenza A virus: M, PB2 and PA gene            Influenza B virus: M and NS gene            RSV: RSV A and RSV B gene)</p> <p>Influenza A virus, Influenza B virus, Respiratory syncytial virus and Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) – detection by Reverse Transcription Real Time Polymerase Chain Reaction, Qualitative (Target region:            Influenza A virus: M, PB2 and PA gene            Influenza B virus: M and NS gene            RSV: RSV A and RSV B gene            SARS-CoV-2: E and N2 gene)</p> <p>Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) – detection by Reverse Transcription Real Time Polymerase Chain Reaction, Qualitative (Target region: E and N2 gene</p>	<p>Cepheid Xpert Xpress Flu/RSV Assay            Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT</p> <p>Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV Assay            Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT</p> <p>Cepheid Xpert Xpress SARS-CoV-2 Assay            Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT</p>

**Hospital Authority - Haven of Hope Hospital (HHH), Department of Pathology (Branch facility of Tseung Kwan O Hospital)**

醫院管理局-靈實醫院病理部 (將軍澳醫院支部)

TB Laboratory: 2/F, Haven of Hope Hospital, 8 Haven of Hope Road, Tseung Kwan O, Kln., H.K.  
 香港九龍將軍澳靈實路八號靈實醫院二樓

<b>MEDICAL TESTING</b>			
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
<b>This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.</b>			
<b>Clinical Microbiology and Infection</b>	<b>Mycobacteriology - Microscopy</b> Respiratory tract and miscellaneous samples	Microscopy for acid-fast bacilli (AFB) by - Auramine O fluorescent stain - Ziehl-Neelsen stain  Culture for acid-fast bacilli (AFB) by - Conventional method (LJ and Kirchner) - Broth culture method (BD MGIT medium) - Automated Blood culture method (BACTEC medium)	Method documented in TB-SOP-SMEAR and TB-SOP-Metasytem  Specimen processing: Method as documented in TB-SOP-SPPROCESS Culture for AFB: Method as documented in TB-SOP-AFBCULTURE
	<b>Mycobacteriology - Identification and/or Sensitivity test</b> <i>Mycobacterium</i> isolates	Identification of <i>Mycobacterium tuberculosis</i> in culture by Immunochromatographic Test	TB Ag MPT64 Test for <i>Mycobacterium tuberculosis</i> complex by Standard Diagnostics Inc.

**Hospital Authority - Haven of Hope Hospital (HHH), Department of Pathology (Branch facility of Tseung Kwan O Hospital)**

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Medical Genetics	Molecular Genetics Respiratory specimens	Simultaneous detection of <i>Mycobacterium tuberculosis complex</i> DNA and resistance to Rifampicin by Real Time Polymerase Chain Reaction (Target gene: <i>rpoB</i> )	Nucleic acid extraction and detection by Cepheid GeneXpert System

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Blood Bank: 2/F, Haven of Hope Hospital, 8 Haven of Hope Road, Tseung Kwan O, Kln., H.K.

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Haematology	Haematology - Miscellaneous Blood products	Issue of blood products	As documented in BB-SOP-HHH service, BB-SOP- XM, BB-SOP- ISSUE RETURN