

Hospital Authority - Tseung Kwan O Hospital, Department of Pathology

醫院管理局-將軍澳醫院病理部

ADDRESS : Main Building, Tseung Kwan O Hospital, 2 Po Ning Lane, Hang Hau, Tseung Kwan O,
地址 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

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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

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 Rocky SHUM

岑樂基醫生

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 PONG Wai Mei 龐維湄醫生 (Full-time 全職)

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

Dr Rocky SHUM 岑樂基醫生 (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

Immunology

免疫學

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
This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.			
Anatomical Pathology	Autopsy Adult	Autopsy examination by H&E and special staining	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 Routine and special staining as in Histopathology: Haematoxylin and Eosin staining: HISTO-SOP-HE Special and immunohistochemical staining: HISTO-SOP-SStain; HISTO-SOP-IMH

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Anatomical Pathology	Cytopathology 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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Anatomical Pathology (cont'd)	Histopathology Surgical pathology	Histology examination by H&E and special staining	<p>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</p> <p>Special staining (manual method): Methods as documented in HISTO-SOP-SStain</p> <p>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</p> <p>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</p> <p>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</p>



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Anatomical Pathology (cont'd)	Histopathology (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)	Immunohistochemistry Renal, skin biopsies	Immunofluorescence examination by Manual and automated 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
	Histological and cytological specimens	Immunohistochemical examination for various antigen markers by Automatic method	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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Chemical Pathology	Blood gases and co-oximetry 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 ₂ Saturation by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
		pCO ₂ by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		pH by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		pO ₂ by Potentiometry	Siemens Rapidlab1265 Blood Gas Analyzer
		Total CO ₂ by Auto calculation	Siemens Rapidlab1265 Blood Gas Analyzer
	General chemistry Serum	Alanine transaminase (ALT) by Spectrophotometry	Beckman Coulter AU5800 analyser, ALT3N Assay
		Albumin by Spectrophotometry	Beckman Coulter AU5800 analyser, ALB1N Assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Beckman Coulter AU5800 analyser, ALP1N Assay
		Alkaline Phosphatase (ALP), heat stable by Spectrophotometry	Beckman Coulter AU5800 analyser, ALP1N 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 analyser, Thermo Fisher Ammonia OSR 61154 Assay
	Plasma, heparin	Bilirubin, Neonatal by Spectrophotometry	Beckman Coulter AU5800 analyser, TBC1N Assay
	Serum	Amylase by Spectrophotometry	Beckman Coulter AU5800 analyser, AMY2N Assay
		Aspartate aminotransferase (AST) by Spectrophotometry	Beckman Coulter AU5800 analyser, AST3N Assay
		Bilirubin, Direct by Spectrophotometry	Beckman Coulter AU5800 analyser, DBC1N Assay
		Bilirubin, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, TBC1N Assay
		Calcium by Spectrophotometry	Beckman Coulter AU5800 analyser, CAZ1N Assay
		Chloride by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, Chloride Assay
		Cholesterol by Spectrophotometry	Beckman Coulter AU5800 analyser, CHO1N Assay
		Cholesterol High Density Lipoprotein, (HDL-C) by Spectrophotometry (Direct measurement)	Beckman Coulter AU5800 analyser, HDL1N Assay
		Creatine kinase by Spectrophotometry	Beckman Coulter AU5800 analyser, CKN1N Assay
		Creatinine by Spectrophotometry	Beckman Coulter AU5800 analyser, CRE3N Assay
		Gamma glutamyl transferase by Spectrophotometry	Beckman Coulter AU5800 analyser, GGT2N Assay

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Chemical Pathology (cont'd)	General chemistry (cont'd)		
	Plasma, fluoride	Glucose, 2 hrs by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Glucose, fasting by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Glucose, spot by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Glucose, tolerance test by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
	Serum	Iron by Spectrophotometry	Beckman Coulter AU5800 analyser, FE-1N Assay
	Plasma, fluoride	Lactate by Spectrophotometry	Beckman Coulter AU5800 analyser, LAC1N Assay
	Serum	Lactate Dehydrogenase (LDH) by Spectrophotometry	Beckman Coulter AU5800 analyser, LDH3N Assay
		Lipid profile - Cholesterol, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, CHO1N Assay
		- Cholesterol, High Density Lipoprotein (HDL-C) by Spectrophotometry	Beckman Coulter AU5800 analyser, HDL1N Assay
		- Cholesterol, Low Density Lipoprotein (LDL-C) by Calculation	Beckman Coulter AU5800 (Calculated test using Friedewald Formula)
		- Triglyceride by Spectrophotometry	Beckman Coulter AU5800 analyser, TRG1N Assay

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Chemical Pathology (cont'd)	General chemistry (cont'd) Serum (cont'd)	<p>Liver Function Test by Spectrophotometry, including</p> <ul style="list-style-type: none"> - Albumin - ALP - ALT - Globulin (calculated) <p>- Total Bilirubin</p> <p>- Total Protein</p> <p>Magnesium by Spectrophotometry</p> <p>Osmolality by Freezing point depression</p> <p>Phosphate by Spectrophotometry</p> <p>Potassium by Potentiometric method</p> <p>Protein, Total by Spectrophotometry</p> <p>Renal Function Test by Potentiometry and Spectrophotometry, including</p> <ul style="list-style-type: none"> - Creatinine - Potassium - Sodium - Urea <p>Sodium by Potentiometry (Ion Selective Electrode)</p> <p>Triglyceride by Spectrophotometry</p> <p>Troponin I by Immunoassay (Chemiluminescent label)</p>	<p>Beckman Coulter AU5800 analyser, ALB1N Assay</p> <p>Beckman Coulter AU5800 analyser, ALP1N Assay</p> <p>Beckman Coulter AU5800 analyser, ALT3N Assay</p> <p>Beckman Coulter AU5800 (Calculated test using Albumin and Total Protein)</p> <p>Beckman Coulter AU5800 analyser, TBC1N Assay</p> <p>Beckman Coulter AU5800 analyser, TP-1N Assay</p> <p>Beckman Coulter AU5800 analyser, MG-1N Assay</p> <p>Arkray OM-6060 analyser</p> <p>Beckman Coulter AU5800 analyser, PHO1N Assay</p> <p>Beckman Coulter AU5800 analyser, Potassium Assay</p> <p>Beckman Coulter AU5800 analyser, TP-1N Assay</p> <p>Beckman Coulter AU5800 respective assays</p> <p>Beckman Coulter AU5800 analyser, Sodium Assay</p> <p>Beckman Coulter AU5800 analyser, TRG1N Assay</p> <p>Beckman Coulter UniCel DxI 800 analyser, Access hsTNI Assay</p>

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Chemical Pathology (cont'd)	General chemistry (cont'd) Serum (cont'd)	Unsaturated Iron Binding Capacity (UIBC) by Spectrophotometry	Beckman Coulter AU5800 analyser, UBC1N Assay
		Urate by Spectrophotometry	Beckman Coulter AU5800 analyser, UA-1N Assay
		Urea by Spectrophotometry	Beckman Coulter AU5800 analyser, BUN1N Assay
	Spot Urine	Calcium by Spectrophotometry	Beckman Coulter AU5800 analyser, CAZ1N Assay
	Urine (Spot or 24 hour)	Chloride by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, Chloride Assay
		Creatinine by Spectrophotometry	Beckman Coulter AU5800 analyser, CRE3N Assay
		Magnesium by Spectrophotometry	Beckman Coulter AU5800 analyser, MG-1N 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 analyser
		Phosphate by Spectrophotometry	Beckman Coulter AU5800 analyser, PHO1N Assay
		Potassium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, Potassium Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, UCP1N Assay
		Protein /Creatinine ratio by Calculation	Beckman Coulter AU5800 (Calculated test using urine protein and urine creatinine)

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Chemical Pathology (cont'd)	General chemistry (cont'd) Urine (Spot or 24 hour) (cont'd)	Sodium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 analyser, Sodium Assay
		Urate by Spectrophotometry	Beckman Coulter AU5800 analyser, UA-1N Assay
		Urea by Spectrophotometry	Beckman Coulter AU5800 analyser, BUN1N Assay
	24 hour urine	Creatinine clearance by Calculation	Beckman Coulter AU5800 (Calculated test using urine creatinine, serum creatinine and urine volume)
		Microalbumin by Immunoturbidimetry	Beckman Coulter AU5800 analyser, ULB1G Assay
		Albumin by Spectrophotometry	Beckman Coulter AU5800 analyser, ALB1N Assay
	Body fluid	Amylase by Spectrophotometry	Beckman Coulter AU5800 analyser, AMY2N Assay
		Calcium by Spectrophotometry	Beckman Coulter AU5800 analyser, CAZ1N Assay
		Cholesterol by Spectrophotometry	Beckman Coulter AU5800 analyser, CHO1N Assay
		Glucose by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Lactate dehydrogenase (LDH) by Spectrophotometry	Beckman Coulter AU5800 analyser, LDH3N Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, TP-1N Assay
		Triglyceride by Spectrophotometry	Beckman Coulter AU5800 analyser, TRG1N Assay

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Chemical Pathology (cont'd)	General chemistry (cont'd)		
	CSF	Glucose by Spectrophotometry	Beckman Coulter AU5800 analyser, GLU1N Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 analyser, UCP1N Assay
	Special chemistry		
	Stool	Occult blood by Latex agglutination	Kyowa Medex HM-Jack Auto Analyser
	Hormones		
	Serum	Cortisol by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Cortisol Assay
		Human Chorionic Gonadotropin (HCG) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Total HCG 5 TH IS Assay
		Triiodothyronine, Free (FT3) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Free T3 Assay
		Thyroid function test (TFT) by Immunoassay (Chemiluminescent label) including	
		- Thyroid stimulating hormone (TSH)	Beckman Coulter UniCel DxI 800 analyser, Access TSH (3 rd IS) Assay
		- Thyroxine, Free (FT4)	Beckman Coulter UniCel DxI 800 analyser, Access Free T4 Assay
		- Triiodothyronine, Free (FT3)	Beckman Coulter UniCel DxI 800 analyser, Access Free T3 Assay
		Thyroid stimulating hormone (TSH) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access TSH (3 rd IS) Assay
		Thyroxine, Free (FT4) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Free T4 Assay
	Proteins, quantitative analysis		
	Serum	Ferritin by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 Ferritin Assay
		C-Reactive Protein (CRP) by Immunoturbidimetry	Siemens Atellica CH CRP_2 Assay

Hospital Authority - Tseung Kwan O Hospital, Department of Pathology

醫院管理局-將軍澳醫院病理部

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MEDICAL TESTING			
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Chemical Pathology (cont'd)	Toxicology Serum	Acetaminophen by Spectrophotometry	Beckman Coulter AU5800 analyser, ACETAMINOPHEN L3K [®] Assay
		Ethanol by Spectrophotometry	Beckman Coulter AU5800 analyser, with Thermo Scientific DRI [®] Ethyl Alcohol Assay
		Salicylate by Spectrophotometry	Beckman Coulter AU5800 analyser, with Siemens Emit [®] tox [™] Salicylic Acid Assay
	Tumour markers Serum	Alpha-feto protein (AFP) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access AFP Assay
		CA 125 by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access OV Monitor Assay
		Carcino-embryonic antigen (CEA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access CEA Assay
		Prostate specific antigen (PSA) by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 analyser, Access Hybritech PSA Assay



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Immunology	Autoantibody Serum	Rheumatoid Factor (RF) by Immunoturbidimetry	Siemens Atellica CH analyser, RF Assay
	Immunochemistry Serum	Complement C3 (C3) by Immunoturbidimetry	Siemens Atellica CH analyser, C3 Assay
		Complement C4 (C4) by Immunoturbidimetry	Siemens Atellica CH analyser, C4 Assay

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Haematology	Coagulation 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 STart® semi-automated analyser Automated coagulation system: Sysmex CS-5100 BioMerieux mini Vidas D-Dimer Exclusion II Assay
	Haematology - General 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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Haematology (cont'd)	Haematology - Special		
	EDTA marrow blood aspirate, clot and trephine biopsy	Bone marrow examination	Smear preparation and staining by May Grunwald Giemsa and Perls' Prussian Blue as documented in CORE-SOP-BM
	EDTA whole blood	Glucose-6-phosphate dehydrogenase screening test (G6PDH) by Fluorescence method	Trinity G6PDH screening Test as documented in CORE-SOP-G6PDH
		Haemoglobin A1c (HbA1c) by High performance liquid chromatography	Premier Hb9210
		Haemoglobin pattern by - Capillary electrophoresis	Sebia Capillarys 2 & method documented in CORE-SOP-HbP_Gp

Hospital Authority - Tseung Kwan O Hospital, Department of Pathology

醫院管理局-將軍澳醫院病理部

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

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Haematology	Blood bank - Antenatal screening 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
	Blood bank - General 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
	Blood bank - Immunohaematology 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)	Blood bank - Special Clotted and EDTA whole blood	Autoimmune haemolytic anaemia	Methods documented in BB-SOP-ABID, BB-SOP-Elution, BB-SOP-Chloroquine
		Transfusion reaction, including - ABO and Rh(D) typing - Antibody screening - Direct antiglobulin test - Crossmatching	Method as documented in BB-SOP-Adverse Rx
		Antibody detection and identification	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

醫院管理局-將軍澳醫院病理部

Microbiology 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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This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.			
Clinical Microbiology and Infection	Bacteriology - Culture and sensitivity tests and/or microscopy		
	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 ₂ 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 ₂ 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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Clinical Microbiology and Infection (cont'd)	Bacteriology - Culture and sensitivity tests and/or microscopy (cont'd)		
	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 ₂ 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 ₂ culture Microscopy for Cell morphology and bacteria by Gram Stain Culture and antimicrobial susceptibility test for pathogens by Aerobic, CO ₂ 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

醫院管理局-將軍澳醫院病理部

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Clinical Microbiology and Infection (cont'd)	Bacteriology - Culture and sensitivity tests and/or microscopy (cont'd)		
	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 ₂ 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 ₂ 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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Clinical Microbiology and Infection (cont'd)	Bacteriology - Serology Serum	Anti-Streptolysin O antibody by Latex agglutination test	BIOKIT rheumajet ASO Method as documented in MIC-SOP-SERO
		<i>Brucella</i> antibody by Agglutination test	Method as documented in MIC-SOP-SERO
		<i>Rickettsial</i> antibody by Agglutination test (Weil Felix test)	Method as documented in MIC-SOP-SERO
	Microscopy - Miscellaneous CSF	Microscopy for Cell count by Counting chamber	Method as documented in MIC-SOP-CSFMC
	Mycobacteriology - Microscopy 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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Clinical Microbiology and Infection (cont'd)	Mycology - Culture, identification and serology 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
	CSF, serum	<i>Cryptococcal</i> antigen by Quantitative lateral flow assay	Method as documented in MIC-SOP-CRAG
	Mycology - Microscopy CSF	Microscopy for Encapsulated yeast by India ink	Method as documented in MIC-SOP-CSFMC
	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-CSFCU & MIC-SOP-CSFMC Identification of isolates: Method as documented in MIC-SOP-MYCO
			Culture and microscopy: Method as documented in MIC-SOP-MYCO Identification of isolates: Method as documented in MIC-SOP-MYCO

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Clinical Microbiology and Infection (cont'd)	Parasitology		
	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
	Syphilis serology		
	Serum	Reagin antibodies in response to <i>Treponema</i> infection by Rapid Plasma Reagin (RPR) <i>Treponema pallidum</i> antibody by Immunoassay (Chemiluminescent label)	Becton Dickinson Macro-Vue RPR Card Tests Kit Method as documented in MIC-SOP-SERO Abbott ARCHITECT i1000SR Syphilis TP Assay Method as documented in MIC-SOP-TPA
	Urinalysis and/or urine microscopy		
	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

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Clinical Microbiology and Infection (cont'd)	Virology - Serology Serum	Anti-HBs (Quantitative) by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i1000SR Anti-HBs Assay Method as documented in MIC-SOP-VIRO
		Hepatitis B virus surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i1000SR HBsAg Qualitative II Assay HBsAg Qualitative II Confirmative Assay Standard Diagnostic (SD) HBsAg Method as documented in MIC-SOP-VIRO
		Immunochromatographic assay	
		Human immunodeficiency virus antibody by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT i1000SR HIV Ag/Ab Combo Assay Method as documented in MIC-SOP-VIRO

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Medical Genetics	Molecular Genetics 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-GXPRT</p> <p>Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV Assay Nucleic acid extraction and detection as documented in MIC-SOP-GXPRT</p> <p>Cepheid Xpert Xpress SARS-CoV-2 Assay Nucleic acid extraction and detection as documented in MIC-SOP-GXPRT</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

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 examinations and for providing clinical interpretation of examinations listed below.			
Clinical Microbiology and Infection	Mycobacteriology - Microscopy 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
	Mycobacteriology - Identification and/or Sensitivity test <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.

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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



Scope of Accreditation
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醫院管理局-靈實醫院病理部 (將軍澳醫院支部)

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

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This laboratory is accredited for performing examinations and for providing clinical interpretation of examinations listed below.			
Haematology	Haematology - Miscellaneous Blood products	Issue of blood products	As documented in BB-SOP-HHH service, BB-SOP- XM, BB-SOP- ISSUE RETURN