Hospital Authority - Department of Pathology, Tseung Kwan O Hospital (TKOH)
醫院管理局-將軍澳醫院病理部

ADDRESS **地址**	:	Main Building, TKOH, 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
ENQUIRY **查詢**	:	Mr WONG Wing-ming 黃永明先生
TELEPHONE **電話**	:	2208 0896
FAX **傳真**	:	2174 9519
E-MAIL **電郵**	:	wongwm5@ha.org.hk
CLIENTELE **服務對象**	:	Public and private hospitals and clinics 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 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 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
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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 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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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	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 Mucicarmine 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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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 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 (ARSENAZO) 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	Beckman Coulter AU5800 Albumin Assay
		- ALP	Beckman Coulter AU5800 ALP Assay
		- ALT	Beckman Coulter AU5800 ALT Assay
		- Globulin (calculated)	Beckman Coulter AU5800 (Calculated test using Albumin and Total Protein)
		- Total Bilirubin	Beckman Coulter AU5800 Bilirubin-Total Assay
		- Total Protein	Beckman Coulter AU5800 Total Protein Assay
		Magnesium by Spectrophotometry	Beckman Coulter AU5800 Magnesium Assay
		Osmolality by Freezing point depression	Arkray OM-6060
		Phosphate by Spectrophotometry	Beckman Coulter AU5800 Phosphate Assay
		Potassium by Potentiometric method	Beckman Coulter AU5800 Potassium Assay
		Protein, Total by Spectrophotometry	Beckman Coulter AU5800 Total Protein Assay
		Renal Function Test by Potentiometry and Spectrophotometry, including - Creatinine - Potassium - Sodium - Urea	Beckman Coulter AU5800 respective assays
		Sodium by Potentiometry (Ion Selective Electrode)	Beckman Coulter AU5800 Sodium Assay
		Triglyceride by Spectrophotometry	Beckman Coulter AU5800 Triglyceride Assay
		Troponin I by Immunoassay (Chemiluminescent label)	Beckman Coulter UniCel DxI 800 hsTNI Assay

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

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Chemical Pathology (cont'd)	**General chemistry** (cont'd)		
	CSF	Glucose by	
		Spectrophotometry	Beckman Coulter AU5800 Glucose Assay
		Protein, Total by	
		Spectrophotometry	Beckman Coulter AU5800 Urine/CSF Protein 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 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)	Beckman Coulter UniCel DxI 800 TSH Assay
		- Thyroxine, Free (FT4)	Beckman Coulter UniCel DxI 800 FT4 Assay
		- Triiodothyronine, Free (FT3)	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
	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
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MEDICAL TESTING

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This laboratory is accredited for performing examinations listed below.			
Chemical Pathology (cont'd)	**Toxicology**		
	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® toxTM Salicylic Acid Assay
	Tumour markers		
	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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Immunology	**Autoantibody**		
	Serum	Rheumatoid Factor (RF) by Immunoturbidimetry	Siemens Atellica CH RF Assay
	Immunochemistry		
	Serum	Complement C3 (C3) by Immunoturbidimetry	Siemens Atellica CH C3 Assay
		Complement C4 (C4) by Immunoturbidimetry	Siemens Atellica CH C4 Assay

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Haematology	**Coagulation**		
	Citrated plasma	Coagulation studies including	
		- Prothrombin time (PT)	Automated coagulation system: Sysmex CS-5100
		- Activated partial thromboplastin time (APTT)	Viscosity-based detection system - Diagnostic Stago STart® semi-automated analyser
		- Fibrinogen	Automated coagulation system: Sysmex CS-5100
		D-Dimer by	
		- Immunoassay (Enzyme-based label)	BioMerieux mini Vidas D-Dimer Exclusion II Assay
	Haematology - General		
	EDTA whole blood	Complete blood count including	
		- Haemoglobin	Automated system:
		- Haematocrit	Sysmex XN-3000 Haematology System
		- 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	Sysmex XN-3000 Haematology System
		Malaria parasite examination by	
		Thick and thin films	Smear preparation and Giemsa staining as documented in CORE-SOP-MP
		Peripheral blood smear examination by	
		May Grunwald Giemsa	Method as documented in CORE-SOP-CBP-gp
		Reticulocyte count by	
		Automated method	Sysmex XN-3000 Haematology System
		Reticulocyte count by	
		Manual method	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

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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	Method as documented in MIC-SOP-CSFMC
		Culture and antimicrobial susceptibility tests for pathogens by Aerobic and CO_2 culture	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
		Culture and antimicrobial susceptibility test for *Neisseria gonorrhoeae* by CO_2 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
	Miscellaneous samples (including pus, body fluid, tissue, swabs, catheters, eye specimens, etc.)	Microscopy for Cell morphology and bacteria by Gram Stain Culture and antimicrobial susceptibility test for pathogens by Aerobic, CO_2 and anaerobic culture	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

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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	Method as documented in MIC-SOP-MALDI MicroFlex LT System, Bruker Daltonics
		Antimicrobial susceptibility test for pathogens by Automated reading and interpretation system	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
		Brucella antibody by Agglutination test	Method as documented in MIC-SOP-SERO
		Rickettsial antibody by Agglutination test (Weil Felix test)	Method as documented in MIC-SOP-SERO
	Microbiology - Miscellaneous tests 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
	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	*Cryptococcal* 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
		Microscopy for Fungal elements and yeasts by Gram stain *Cryptococcus neoformans* by India Ink smear 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
	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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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 *Treponemal* infection by Rapid Plasma Reagin (RPR)	Becton Dickinson Macro-Vue RPR Card Tests Kit Method as documented in MIC-SOP-SERO
		Treponema pallidum antibody by Immunoassay (Chemiluminescent label)	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	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
		Urine formed element by Microscopic examination with fixed volume in microtitre plate well	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 *i*1000SR Anti-HBs Assay Method as documented in MIC-SOP-VIRO
		Hepatitis B virus surface antigen (HBsAg) by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT *i*1000SR HBsAg Qualitative II Assay HBsAg Qualitative II Confirmative Assay
		Immunochromatographic assay	Standard Diagnostic (SD) HBsAg Method as documented in MIC-SOP-VIRO
		Human immunodeficiency virus antibody by Immunoassay (Chemiluminescent label)	Abbott ARCHITECT *i*1000SR HIV Ag/Ab Combo Assay Method as documented in MIC-SOP-VIRO

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Medical Genetics	**Molecular Genetics** Respiratory specimens	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)	Cepheid Xpert Xpress Flu/RSV Assay Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT
		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)	Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV Assay Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT
		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	Cepheid Xpert Xpress SARS-CoV-2 Assay Nucleic acid extraction and detection as documented in MIC-SOP-GXPERT

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	Method documented in TB-SOP-SMEAR and TB-SOP-Metasystem
		Culture for acid-fast bacilli (AFB) by - Conventional method (LJ and Kirchner) - Broth culture method (BD MGIT medium) - Automated Blood culture method (BACTEC medium)	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 *Mycobacterium* isolates	Identification of *Mycobacterium tuberculosis* in culture by Immunochromatographic Test	TB Ag MPT64 Test for *Mycobacterium tuberculosis* complex by Standard Diagnostics Inc.

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.
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Medical Genetics	**Molecular Genetics** Respiratory specimens	Simultaneous detection of *Mycobacterium tuberculosis complex* DNA and resistance to Rifampicin by Real Time Polymerase Chain Reaction (Target gene: *rpoB*)	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