

Hospital Authority - United Christian Hospital, Department of Pathology

醫院管理局，基督教聯合醫院，病理部

ADDRESS : L02, Blk. S, Dept. of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon
地址 九龍觀塘協和街 130 號邵逸夫大樓二樓

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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

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- (i) Autopsy Service, B03, Block S
- (ii) Anatomical Pathology Laboratory, L02, Block S
- (iii) Chemical Pathology Laboratory, L02, Block S
- (iv) Microbiology Laboratory, L02, Block S
- (v) Haematology Laboratory, L02, Block S
- (vi) Blood Bank, L02, Block S

LABORATORY DIRECTOR : **Pathologist Director 病理學主管:**
化驗所主管 Dr FUNG Ngai-sheung
馮藝嫦醫生
MBChB, FHKCPATH, FRCPA, FHKAM (Pathology), FIAC, PDipMDPath

PATHOLOGIST IN CHARGE OF THE ACCREDITED DISCIPLINE : Anatomical Pathology 解剖病理學
負責認可範疇的病理學專科醫生 Dr Clary LEE Ka-lai 李嘉麗醫生 (Full-time 全職)
Chemical Pathology 化學病理學
Dr Angel CHAN On-kei 陳安琪醫生 (Full-time 全職)
Clinical Microbiology and Infection 臨床微生物學及傳染病
Dr CHAU Ka-yee 周嘉宜醫生 (Full-time 全職)
Haematology 血液學
Dr Joyce KWONG Hoi-yi 鄭凱怡醫生 (Full-time 全職)

ACCREDITED TEST CATEGORY : **Medical Testing 醫務化驗**
認可測試類別 Anatomical Pathology 解剖病理學
Chemical Pathology 化學病理學
Clinical Microbiology and Infection 臨床微生物學及傳染病
Haematology 血液學
Immunology 免疫學
Medical Genetics (Molecular Genetics) 醫學遺傳學 (分子遺傳學)

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MEDICAL TESTING			
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This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Anatomical Pathology	Cytopathology		
	Gynaecological specimens	Gynaecological cytology examination by Papanicolaou staining	Specimen preparation and routine staining: ThinPrep + Papanicolaou stain Equipment: ThinPrep 2000 & ThinPrep 5000 Method as documented in OPACPU001, 002, 011, 012, 014, 015, 016, 019 & 020; OPACST001 & 003
	Non-gynaecological specimens	Non-gynaecological cytology examination by H&E, Papanicolaou and special staining	Specimen preparation and routine staining: Haematoxylin and Eosin stain Papanicolaou stain Method as documented in OPACPU001-010, 014, 015, 017, 019 & 020; OPACST001, 003-005 Special staining (manual method): Method as documented in OPACST002; OPAHSP001 Grocott's Methenamine Silver stain Perls' Prussian Blue stain Oil Red O stain Ziehl-Neelsen stain and other staining methods in Histopathology Lab
	Fine needle aspirates	Fine Needle Aspiration cytology examination by H&E, Papanicolaou and special staining	Specimen collection, preparation and routine staining (both automatic and manual method): Haematoxylin and Eosin stain Papanicolaou stain May Grunwald-Giemsa stain Cell block preparation and other staining methods in Histopathology Lab: Method as documented in OPAFNA004-005; OPACPU001-005, 009, 019 & 020; OPACST001, 003 & 004; OPAHSP001

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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 staining method: Method as documented in OPAHGE001-024; OPAHSP001</p> <p>Special staining (manual method): Method as documented in OPAHSP001</p> <p>Alcian Blue stain Chromotrope-Aniline Blue stain Crystal Violet stain Giemsa stain Gomori's Trichrome (Rapid, one step) stain Gordon & Sweet's stain Gram stain Grocott's Methenamine Silver stain Hale's Colloidal Iron stain Highman's Congo Red stain Lactate Dehydrogenase Reaction Long Ziehl-Neelsen stain Martius yellow - Scarlet red - soluble Blue (MSB) stain Masson Trichrome stain Modified Giemsa Oil red O stain Orcein (Tarzer-Unna) stain Periodic Acid-Schiff stain with or without digestion Periodic Acid-Silver Methenamine (PASM) stain Perls' Prussian Blue stain Schmorl stain with/without bleaching Southgate's Mucicarmine stain Toluidine Blue stain Van Gieson stain Victoria Blue stain Von Kossa stain Wade-Fite stain Warthin-Starry stain Ziehl-Neelsen stain</p>

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Anatomical Pathology (cont'd)	Histopathology (cont'd) Muscle biopsies	Enzyme Studies by Special staining	Method as documented in OPAIHC007, 010-012; OPAHSP001 Special stains: Gomori's Trichrome stain Nicotinamide Adenine Dinucleotide - Tetrazolium Reductase (NADH-TR) stain Oil Red O stain Periodic Acid Schiff stain Succinate Dehydrogenase (SDH-NBT) stain Immunohistochemical stains: MHCf, MHCs & MHCn
	Rectal biopsies	Enzyme Studies by Special staining	Special Staining: Method as documented in OPAIHC006 & 009 Acetylcholinesterase stain
	Intra-operative frozen section for fresh tissue specimens	Frozen section followed by paraffin section histology examination by H&E staining	Specimen preparation and routine staining: Method as documented in OPAHGE009 & OPAHSP001 Routine staining used: Haematoxylin and Eosin stain (manual)

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Anatomical Pathology (cont'd)	Histopathology (cont'd) Histological and cytological specimen	Immunohistochemical examination for various antigen markers by Automation and manual method	Slide preparation and staining (Ventana BenchMark ULTRA Advanced Staining System): Method as documented in OPAIHC002-003 Detection system: Optiview DAB detection kit Antigen retrieval: Heat-induced epitope retrieval or enzymatic digestion Leica Bond-III immunostainer: Method as documented in OPAIHC015 Detection system: Bond Polymer Refine detection kit Antigen retrieval: Heat-induced epitope retrieval or enzymatic digestion Dako Omnis immunostainer: Method as documented in OPAIHC016 Detection system: EnVision FLEX system Antigen retrieval: Heat-induced epitope retrieval or enzymatic digestion
	Histological and cytological specimen	Epstein-Barr Virus-Encoded Small RNA (EBER) – Detection by In-situ Hybridization (ISH)	Slide preparation and staining (Ventana BenchMark ULTRA Advanced Staining System): Method as documented in OPAIHC002-003 Detection system: Ventana ISH i-view blue detection kit

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Medical Genetics	Molecular Genetics (Anatomical Pathology)		
	Histological and cytological specimen	Amplification of erb-b2 receptor tyrosine kinase 2 (ERBB2, HER2) by Fluorescence in-situ hybridization (FISH)	Manual Slide preparation and staining : Method as documented in OPNISH001 Tissue preparation by PathVysion HER-2 DNA Probe Kit II as documented in OPNISH001 Detection by Automated Bioview Duet System as documented in OPNEQU001
	Liquid based cytological specimens	Human Papilloma Virus (HPV) Detection and Genotyping (including HPV Type 16, 18 and 12 other HPV high risk types) by Real-Time Polymerase Chain Reaction (Target Region: L1 gene)	Nucleic acid extraction, nucleic acid amplification and mutation detection by Cobas 4800 as documented in OPNPCR004
	Formalin fixed paraffin embedded tissues	KRAS mutation by Real-Time Polymerase Chain Reaction (Target Regions: KRAS Gene) NRAS-BRAF mutation by Real-Time Polymerase Chain Reaction (Target Regions: NRAS and BRAF Genes)	Nucleic acid extraction, nucleic acid amplification and detection by Idylla KRAS Mutation Test Method as documented in OPNPCR005 Nucleic acid extraction, nucleic acid amplification and detection by Idylla NRAS-BRAF Mutation Test Method as documented in OPNPCR005
	Molecular Genetics (Chemical Pathology) EDTA blood	TPMT and NUDT15 Variants Detection by Conventional PCR and Sanger Sequencing	Nucleic acid extraction as documented in OPNEXT002 and OPNEXT003 Nucleic acid amplification and mutations detection by Sanger sequencing as documented in OPNSEQ001 and OPNSEQ002

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Autopsy Service: B03, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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Anatomical Pathology	Autopsy Adult, fetal and perinatal autopsy	Autopsy examination by H&E and special staining	Autopsy method and specimen preparation: Method as documented in OPDAUT001 & 002 Routine staining: Haematoxylin and Eosin stain Special staining as in Histopathology Method as documented in OPAHSP001

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Chemical Pathology Laboratory: L02, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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Chemical Pathology	Blood gases and Co-oximetry Heparinized Whole Blood	pH by Potentiometry (Ion Selective Electrode)	Siemens RAPIDLAB 1265 System
		pCO ₂ by Potentiometry (pCO ₂ -Sensing Electrode)	Siemens RAPIDLAB 1265 System
		pO ₂ by Polarography (Oxygen-Sensing Amperometric Electrode)	Siemens RAPIDLAB 1265 System
		Base Excess by Calculation	Siemens RAPIDLAB 1265 System
		Bicarbonate by Calculation	Siemens RAPIDLAB 1265 System
		Co-oximetry by Spectrophotometry	Siemens RAPIDLAB 1265 System
		Ionized Calcium by Potentiometry (Ion Selective Electrode)	Siemens RAPIDLAB 1265 System
		Carboxyhaemoglobin by Co-oximetry	Siemens RAPIDLAB 1265 System
		Methaemoglobin by Co-oximetry	Siemens RAPIDLAB 1265 System
		O ₂ Saturation by Calculation	Siemens RAPIDLAB 1265 System

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Chemical Pathology (cont'd)	General Chemistry		
	Serum	Albumin by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Albumin assay
	Body fluid or CSF	Albumin by Immunoturbidimetry	Roche Diagnostics cobas 8000 Albumin assay (Tina-quant)
	Serum	Alanine Aminotransferase (ALT) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro ALTP assay
		Alkaline Phosphatase (ALP) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro ALP assay
	EDTA plasma	Ammonia by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Ammonia assay
	Serum or body fluid	Amylase by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Amylase assay
	Serum	Aspartate Aminotransferase (AST) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro ASTP assay
	Serum or body fluid	Bilirubin-Total by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Bilirubin-Total assay
	Serum	Bilirubin-Direct by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Bilirubin-Direct assay
	Serum or body fluid	Calcium by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Calcium assay

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Chemical Pathology (cont'd)	General Chemistry (cont'd)		
	Serum	Chloride by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 and cobas Pro Chloride assay
	Serum or body fluid	Cholesterol by Spectrophotometry	Roche Diagnostics cobas 8000 Cholesterol assay
	Serum	Cholesterol, HDL by Spectrophotometry	Roche Diagnostics cobas 8000 HDL-Cholesterol assay
		Creatine Kinase (CK) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro CK assay
	Serum or body fluid	Creatinine by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Creatinine (Jaffe) assay Roche Diagnostics cobas 8000 and cobas Pro Creatinine (Enzymatic) assay
	Serum	Gamma Glutamyltransferase (GGT) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro GGT assay
	Fluoride plasma, body fluid or CSF	Glucose by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Glucose assay
	Serum	Iron by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Iron assay
	Fluoride plasma, body fluid or CSF	Lactate by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Lactate assay
	Serum, body fluid or CSF	Lactate Dehydrogenase (LDH) by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro LDH assay

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Chemical Pathology (cont'd)	General Chemistry (cont'd)		
	Serum	Magnesium by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Magnesium assay
	Serum or body fluid	Phosphate by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Phosphate assay
		Potassium by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 and cobas Pro Potassium assay
	CSF	Protein by Turbidimetric method	Roche Diagnostics cobas 8000 and cobas Pro U/ CSF Protein assay
	Serum or body fluid (except CSF)	Total Protein by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Total Protein assay
	Serum or body fluid	Sodium by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 and cobas Pro Sodium assay
	Serum	Total Iron Binding Capacity (TIBC) by Spectrophotometry	Roche Diagnostics cobas 8000 UIBC and Iron assay
	Serum or body fluid	Triglycerides by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Triglycerides assay
		Urate by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Urate assay
		Urea by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Urea assay

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Chemical Pathology (cont'd)	General Chemistry (cont'd)		
	EDTA plasma	Troponin T (high-sensitive) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 and cobas Pro Elecys Troponin-hs assay
	Urine (24 hrs or Spot)	Albumin by Immunoturbidimetry	Roche Diagnostics cobas 8000 Albumin assay (Tina-quant)
		Amylase by Spectrophotometry	Roche Diagnostics cobas 8000 Amylase assay
		Calcium by Spectrophotometry	Roche Diagnostics cobas 8000 Calcium assay
		Chloride by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 Chloride assay
		Creatinine by Spectrophotometry	Roche Diagnostics cobas 8000 Creatinine assay
		Magnesium by Spectrophotometry	Roche Diagnostics cobas 8000 Magnesium assay
		Phosphate by Spectrophotometry	Roche Diagnostics cobas 8000 Phosphate assay
		Potassium by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 Potassium assay
		Protein by Turbidimetric method	Roche Diagnostics cobas 8000 U/ CSF Protein assay

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Chemical Pathology (cont'd)	General Chemistry (cont'd)		
	Urine (24 hrs or Spot) (cont'd)	Sodium by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 Sodium assay
		Urate by Spectrophotometry	Roche Diagnostics cobas 8000 Urate assay
		Urea by Spectrophotometry	Roche Diagnostics cobas 8000 Urea assay
	Hormones		
	EDTA plasma	Adrenocorticotrophic Hormone (ACTH) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys ACTH assay
	Serum	Cortisol by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Cortisol II assay
	24 hour urine	Cortisol, free by Liquid chromatography tandem mass Spectrometry (LC-MS/MS)	Waters Xevo TQ-S micro system Method as documented in OPCLCM010
	Serum	C-peptide by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys C-peptide assay
		Estradiol (E2) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Estradiol III assay
		Follicular Stimulating Hormone (FSH) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys FSH assay
		Growth Hormone by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys hGH assay

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Chemical Pathology (cont'd)	Hormones (cont'd) Serum (cont'd)	Human Chorionic Gonadotropin by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 and cobas Pro Elecsys HCG+β assay
		Insulin by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Insulin assay
		Luteinizing Hormone (LH) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys LH assay
		Thyroxine, Free (FT4) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys FT4 II assay
		Triiodothyronine, Free (FT3) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys FT3 III assay
	EDTA plasma	Parathyroid Hormone (PTH) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys PTH assay
	Serum	Prolactin by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Prolactin II assay
		Progesterone by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Progesterone III assay
		Testosterone by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Testosterone II assay
		Thyroid Stimulating Hormone (TSH) by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys TSH assay

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Chemical Pathology (cont'd)	Proteins, quantitative analysis		
	Serum	Ceruloplasmin by Immunoturbidimetry	Roche Diagnostics cobas 8000 Ceruloplasmin assay
		C-Reactive Protein (CRP) by Immunoturbidimetry	Roche Diagnostics cobas 8000 and cobas Pro CRP assay
		Ferritin by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Ferritin assay
	Proteins, qualitative analysis		
	Urine	Bence Jones Protein (BJP) study by Urine Protein Electrophoresis	InterLab G26 Electrophoresis System H.R. Proteins Electrophoresis Kit
	Serum	Paraproteins typing by Immunofixation Electrophoresis (IFE)	InterLab G26 Electrophoresis System Serum and Concentrated Urine/CSF Immunofixation Acid Blue Stain
	Urine	Paraproteins typing by Immunofixation Electrophoresis (IFE)	InterLab G26 Electrophoresis System Serum and Concentrated Urine/CSF Immunofixation Acid Violet Stain
	Serum	Monoclonal immunoglobulins study by Serum Protein Electrophoresis (SPE)	InterLab G26 Electrophoresis System Protein Electrophoresis Kit for Serum Proteins and Concentrated Urines/CSF
	Urine or body fluid except pleural fluid	pH by Potentiometry (Glass Electrode)	inoLab pH7310P pH meter
	Urine	Porphobilinogen, urine (screening) by Qualitative colour reaction	Method as documented in OPCMSC012
		Porphyrins, urine (screening) by UV Fluorescence	Method as documented in OPCMSC013

Hospital Authority – United Christian Hospital, Department of Pathology

醫院管理局，基督教聯合醫院，病理部

Chemical Pathology Laboratory: L02, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Chemical Pathology (cont'd)	Proteins, qualitative analysis (cont'd) Urine or stool	Reducing Substance by Qualitative colour reaction	Method as documented in OPCMSC014
	Urine	Urine Urobilinogen by Qualitative colour reaction [Diazonium salt]	Medi-Test Urbi test strip
	Special Chemistry Urine	Bilirubin by Qualitative colour reaction	Medi-Test Urbi test strip
	Heparinised plasma	Bilirubin, neonatal by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Bilirubin-Total assay
	Urine	Myoglobin (screening) by Qualitative colour reaction	Amicon Microcon YM-30 device Siemens Hemastix
	Serum or urine	Osmolality by Freezing point depression	ARKRAY Osmostation OM-6060
	Stool	Occult Blood by Colloidal Gold Immune Colorimetric and turbidimetric method	Alfresa NS-Prime Discrete Clinical Chemistry Analyzer FIT Hemoglobin NS-Prime Test

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Chemical Pathology (cont'd)	Therapeutic Drug Monitoring Serum	Carbamazepine by Immunoassay (Enzyme-based label) Digoxin by Immunoassay (Chemiluminescent label) Gentamicin by Spectrophotometry Lithium by Potentiometry (Ion Selective Electrode)	Roche Diagnostics cobas 8000 Carbamazepine assay Roche Diagnostics cobas 8000 and cobas Pro Elecsys Digoxin assay Roche Diagnostics cobas 8000 CEDIA Gentamicin assay Roche Diagnostics 9180 Electrolyte Analyzer

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Chemical Pathology (cont'd)	Therapeutic Drug Monitoring (cont'd) Serum (cont'd)	Phenobarbital by Kinetic Interaction of Microparticle in a Solution (KIMS)	Roche Diagnostics cobas 8000 Phenobarbital assay
		Phenytoin by Kinetic Interaction of Microparticle in a Solution (KIMS)	Roche Diagnostics cobas 8000 Phenytoin assay
		Theophylline by Kinetic Interaction of Microparticle in a Solution (KIMS)	Roche Diagnostics cobas 8000 and cobas Pro Theophylline assay
		Valproic Acid by Immunoassay (Enzyme-based label)	Roche Diagnostics cobas 8000 Valproic Acid assay
	Toxicology Serum	Cholinesterase by Spectrophotometry	Roche Diagnostics cobas Pro Cholinesterase assay
		Ethanol by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Ethanol assay
		Paracetamol by Immunoassay (Enzyme-based label)	Roche Diagnostics cobas 8000 and cobas Pro ACET2 assay
		Salicylate by Spectrophotometry	Roche Diagnostics cobas 8000 and cobas Pro Salicylate assay

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Chemical Pathology (cont'd)	Tumour Markers Serum	Alpha-FetoProtein (AFP) by Immunoassay (Chemiluminescent label) CA 125 by Immunoassay (Chemiluminescent label) Carbohydrate antigen 19-9 (CA 19-9) by Immunoassay (Chemiluminescent label) Carcinoembryonic antigen (CEA) by Immunoassay (Chemiluminescent label) Prostate Specific Antigen, total (PSA) by Immunoassay (Chemiluminescent label) Thyroglobulin by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys AFP assay Roche Diagnostics cobas 8000 Elecsys CA 125 II assay Roche Diagnostics cobas 8000 Elecsys CA 19-9 assay Roche Diagnostics cobas 8000 Elecsys CEA assay Roche Diagnostics cobas 8000 Elecsys total PSA assay Roche Diagnostics cobas 8000 Elecsys Tg II assay

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Immunology	Immunochemistry Serum	Complement C3 by Immunoturbidimetry	Roche Diagnostics cobas 8000 C3 assay
		Complement C4 by Immunoturbidimetry	Roche Diagnostics cobas 8000 C4 assay
		Haptoglobin by Immunoturbidimetry	Roche Diagnostics cobas 8000 Haptoglobin assay
		Immunoglobulin A (IgA) by Immunoturbidimetry	Roche Diagnostics cobas 8000 IgA assay
		Immunoglobulin G (IgG) by Immunoturbidimetry	Roche Diagnostics cobas 8000 IgG assay
		Immunoglobulin M (IgM) by Immunoturbidimetry	Roche Diagnostics cobas 8000 IgM assay
	Autoantibodies Serum	Rheumatoid Factor, quantitative by Immunoturbidimetry	Roche Diagnostics cobas 8000 RF assay
		Anti-Thyroglobulin Antibody by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Anti-Tg assay
		Anti-Thyroid Peroxidase Antibody by Immunoassay (Chemiluminescent label)	Roche Diagnostics cobas 8000 Elecsys Anti-TPO assay

Hospital Authority – United Christian Hospital, Department of Pathology

醫院管理局，基督教聯合醫院，病理部

Haematology Laboratory: L02, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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Haematology	General Haematology EDTA whole blood	Complete blood count including	
		- Haemoglobin	Sysmex XN-9100
		- Haematocrit	Sysmex XN-2000
		- Leucocyte count (WBC count)	Beckman Coulter DxH900
		- 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)	
Haematology	General Haematology EDTA whole blood	Erythrocyte Sedimentation Rate (ESR) by automated method	Vesmatic 30
		Haemoglobin H inclusion bodies by Brilliant Cresyl Blue stain	Method as documented in OPHROU010
		Leucocyte differential count, automated	Sysmex XN-9100
		Malaria parasite examination by Thick and thin films	Smear preparation and Giemsa staining (pH7.2) as documented in OPHROU007
		Reticulocyte Count, automated	Sysmex XN-9100
		Peripheral blood smear examination by May Grunwald-Giemsa stain	Sysmex SP 50 slide maker stainer Method as documented in OPHROU069

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Haematology (cont'd)	Coagulation Citrate blood	Coagulation studies including	
		- Prothrombin Time (PT)	Sysmex CS5100
		- Activated partial thromboplastin time (APTT)	Sysmex CS2100
		- Fibrinogen	
		D-Dimer by	
		Quantitative determination by	BioMerieux Mini Vidas
		Immunoassay (Enzyme based label)	BioMerieux Vidas 3
		Factor VIII assay	Sysmex CS5100
		Factor IX assay	Sysmex CS5100
	Special Haematology EDTA whole blood	Lupus Anti-coagulant detection by	
		Dilute Russell's Viper Venom Time (DRVVT)	Sysmex CS5100
		Mixing Study	Sysmex CS5100
		Thrombin Time, automated	Sysmex CS5100 Sysmex CS2100
		Haemoglobin A2 and F quantitation by	
		High performance liquid chromatography	BioRad Variant II HPLC analyzer
	Serum	Haemoglobin Electrophoresis	Method as documented in OPHSPE031 & OPHSPE032
		Haemoglobin A1c by	
		High performance liquid chromatography	BioRad Variant Turbo
		Monospot test	Meridian Bioscience Monospot Latex Test

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This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Haematology (cont'd)	Special Haematology (cont'd)		
	EDTA marrow blood aspirate, clot, trephine	Bone Marrow Examination	Method as documented in OPHSPE010 Specimen preparation and routine staining: Method as documented in OPHSPE001, OPHSPE010 and OPHSPE015 Marrow smear by - May Grunwald – Giemsa stain - Perl's Prussian Blue stain Peripheral blood smear by - May Grunwald – Giemsa stain Special stains: Method as documented in: OPHSPE011, OPHSPE013, OPHSPE014, OPHSPE016, OPSPE017 - Acid Phosphatase stain - Specific esterase of Naphthol AS-D Chloroacetate Esterase - Myeloperoxidase stain - Non-specific Naphthyl Acetate Esterase
	EDTA whole blood or marrow blood	Immunophenotyping for haematological disorder by Flow Cytometry Lymphocyte subsets for haematological disorder by Flow Cytometry	Beckman Coulter Navios Flow Cytometer Beckman Coulter Navios Flow Cytometer

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Medical Genetics	Molecular Genetics (Haematology) EDTA whole blood or marrow aspirate	JAK2 V617F Kinase mutation by Allele-specific Polymerase Chain Reaction (AS-PCR)	Nucleic acid extraction as documented in OPNEXT002 Nucleic acid amplification and detection as documented in OPNPCR006
		Alpha Globin Genotyping for SEA, 3.7, 4.2 deletion by Multiplex Polymerase Chain Reaction	Nucleic acid extraction as documented in OPNEXT002 Nucleic acid amplification and detection as documented in OPNPCR007

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This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Immunology	Autoantibodies Serum	Anti-nuclear antibody by Immunoassay (Enzyme-based label) Indirect Immunofluorescence Test	BioRad Evolis 4P automated EIA analyser BioRad ANA Screening Test kit BioRad Kallestad™ Hep 2 cell ANA kit

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醫院管理局，基督教聯合醫院，病理部

Blood Bank: L02, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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Haematology	Blood Bank – Antenatal screen Clotted blood or EDTA blood	ABO and Rh(D) typing plus antibody investigation if required by Red cell agglutination	Method as documented in OPBIMH341
		Titration of Antibody by NICE Method	Method as documented in OPBIMH403
	Blood Bank – General Clotted blood or EDTA blood	ABO and Rh (D) typing by Red cell agglutination	Ortho Vision Max Manual method as documented in OPBTSC241
		Weak D Testing by Red cell agglutination	Method as documented in OPBTSC245
		Antibody screening by Using CAT Saline Indirect Antiglobulin Test Indirect Antiglobulin Test (IAT)	Method as documented in OPBTSC261 Method as documented in OPBTSC262 Ortho Vision Max
		Pretransfusion testing by - Pretransfusion testing for red cell transfusion and component requests - Pretransfusion testing for infants < 4 months of age	Method as documented in OPBTSC223 and OPBTSC225 Method as documented in OPBTSC341
		Red cell phenotyping by Direct agglutination Indirect Antiglobulin Test (IAT)	Method as documented in OPBIMH241 and OPBIMH262 Method as documented in OPBIMH241
		Crossmatch by Electronic crossmatch Immediate spin Saline Indirect antiglobulin test Prewarmed technique using IAT	Method as documented in OPBTSC284 Method as documented in OPBTSC282 Method as documented in OPBTSC262 Ortho Vision Max using method as documented in OPBIMH262

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Haematology (cont'd)	Blood Bank – Immunohaematology EDTA blood	Direct Antiglobulin Test (DAT) by Red cell agglutination	Method as documented in OPBTSC222
	Blood Bank – Special Clotted blood or EDTA blood	Antibody identification by Polyethylene Glycol-IAT Lewis/P1 blood group substance neutralization test Indirect Antiglobulin Test (IAT)	Method as documented in OPBIMH261 and OPBIMH281 Method as documented in OPBIMH261 and OPBIMH282 Ortho Vision Max
	EDTA blood	Antibody elution and identification by Chloroquine elution Acid Glycine/EDTA elution by ELU KIT PLUS elution system	Method as documented in OPBIMH301 Method as documented in OPBIMH306
	Clotted blood or EDTA blood	Adsorption of Autoantibodies by ZZAP Technique	Method as documented in OPBIMH312
	EDTA blood	Investigation of ABO Blood Group Anomaly	Method as documented in OPBTSC242
	Clotted blood or EDTA blood	Transfusion Reaction	Method as documented in OPBTSC441

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Microbiology Laboratory: L02, Block S, Department of Pathology, 130 Hip Wo Street, Kwun Tong, Kowloon

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Clinical Microbiology and Infection	Bacteriology – Culture and Sensitivity Tests		
	Enteric samples (including stool and rectal swab)	Culture and antimicrobial susceptibility tests for pathogens by Aerobic and microaerophilic culture	Culture: Method as documented in OPMSTO001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAST001
	Urine	Urine formed elements by Microscopic examination with fixed volume in microtitre plate Culture and antimicrobial susceptibility tests for urinary pathogens by Standard loop method and aerobic culture	Method as documented in OPMURI001 Culture: Method as documented in OPMURI001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAST001
	Upper respiratory tract samples (including throat swab, nasal swab etc.)	Culture and antimicrobial susceptibility tests for upper respiratory tract pathogens by Aerobic, CO ₂ and anaerobic culture	Culture: Method as documented in OPMSPU001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAST001

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Clinical Microbiology and Infection (cont'd)	Bacteriology – Culture and Sensitivity Tests (cont'd) Lower respiratory tract samples (including sputum, bronchial aspirate, tracheal aspirate etc.)	Microscopy for cell morphology and microorganisms by Gram Stain	Method as documented in OPMIS001A1
		Culture and antimicrobial susceptibility tests lower respiratory tract pathogens by Aerobic and CO ₂ culture	Culture: Method as documented in OPMSPU001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAS001
	Brochioalveolar lavage (BAL) and protected bronchial brush	Microscopy for cell morphology and microorganisms by Gram Stain	Method as documented in OPMIS001A1
		Culture (semi-quantitative) and antimicrobial susceptibility tests for pathogens by Aerobic, and CO ₂ culture	Culture: Method as documented in OPMSPU001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAS001
	Genital samples	Microscopy for cell morphology and microorganisms by Gram Stain	Method as documented in OPMIS001A1
		Culture and antimicrobial susceptibility test for genital pathogens by CO ₂ culture	Culture: Method as documented in OPMIS004 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAS001

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Clinical Microbiology and Infection (cont'd)	Bacteriology - Culture and Sensitivity Tests (cont'd) Miscellaneous samples (including swab, pus, tissue, body fluids etc.)	Microscopy for cell morphology and microorganisms by Gram Stain	Method as documented in OPMMIS001A1
		Crystal (joint fluid only) by Wet smear	Method as documented in OPMMIS001A3
		Amoeba (liver abscess only) by Wet smear	Method as documented in OPMMIS001
		Culture and antimicrobial susceptibility tests for pathogens by Aerobic, CO ₂ and anaerobic culture	Culture: Method as documented in OPMMIS001 Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAS001
	Eye swab, corneal scrapping and joint fluid	Microscopy for Microorganisms by Gram Stain	Method as documented in OPMCSF002 (for Emergency Lab)
	Blood	Culture and antimicrobial susceptibility tests for pathogens by Aerobic, CO ₂ and anaerobic broth culture	Culture: Method as documented in OPMBLO001 and 002 using BD BACTEC FX Identification of isolates: Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAS001
	All specimens for bacterial culture and susceptibility test	Antimicrobial susceptibility test - Zone diameter measurement by Automation	BIOMIC V3 Method as documented in OPMEQU020

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Clinical Microbiology and Infection (cont'd)	Bacteriology - Culture and Sensitivity Tests (cont'd) CSF	Microscopy for Cell count by Counting chamber Microorganisms by Gram Stain Encapsulated yeast by India Ink Stain Culture and antimicrobial susceptibility tests for pathogens by Aerobic, CO ₂ and anaerobic culture Antigen detection (<i>Streptococcus</i> Group B; <i>Haemophilus influenzae</i> type b; <i>Streptococcus pneumoniae</i> ; <i>Neisseria meningitidis</i> Group A, B, C, Y, W135; E. coli K1) by Latex agglutination Antigen detection of <i>Cryptococcus neoformans</i> by Latex agglutination	Method as documented in OPMCSF001 OPMMIS001A1 OPMCSF001 Culture: Method as documented in OPMCSF001 Identification of isolates: Method as documented in Conventional method as documented in OPMIDE001 MALDI-TOF Mass Spectrometry as documented in OPMIE006 Antimicrobial susceptibility tests: Method as documented in OPMAST001 Wellcogen Bacterial Antigen detection kit Remel Cryptococcus Antigen Latex kit
	Bacteriology – Serology Serum	<i>Brucella</i> antibody by agglutination method <i>Rickettsial</i> antibody by agglutination method (Weil Felix test) <i>Salmonella</i> antibody by agglutination method (Widal test) Detection of extracellular antigens of Group A <i>Streptococcus</i> by Rapid slide test	Method as documented in OPMSER003 Method as documented in OPMSER003 Method as documented in OPMSER003 Dade Behring RapiTex ASL

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Clinical Microbiology and Infection (cont'd)	Mycobacteriology – Microscopy CSF and miscellaneous samples	Microscopy for acid fast bacilli (AFB) by Auramine O fluorescent stain	Method as documented in OPMMTB001
	Mycology – Culture, ID and Serology All samples	Culture for fungi by Conventional method	Method as documented in OPMFUN001, 002 and 003
	Mycology – Microscopy All samples	Microscopy for fungal filaments and yeasts by KOH with Calcofluor White procedure	Method as documented in OPMFUN001
		Microscopy for fungal filaments and yeasts by Gram Stain	Method as documented in OPMFUN001
		Microscopy for enteric parasites by Conventional method	Method as documented in OPMPAR001
	Parasitology Stool	Microscopy for Amoeba by Direct smear and concentration method	Method as documented in OPMPAR001, OPMPAR001A1
		Microscopy for fecal protozoa by Iron Haematoxylin stain Gomori's Trichome stain	Method as documented in OPMPAR002 Method as documented in OPMPAR003
		Microscopy for Coccidia and Cyanobacterium - Like Bodies (e.g. Cryptosporidium and Isospora) by Modified Kinyoun's acid fast stain	Method as documented in OPMPAR004

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Clinical Microbiology and Infection (cont'd)	Syphilis serology Serum	Reagin antibody in response to Treponemal infection by Rapid Plasma Reagin (RPR)	BioMerieux RPR test kit BD Macro-Vue RPR Card test
		<i>Treponema pallidum</i> antibody by - <i>Treponemal pallidum</i> Passive Particle Agglutination test (TPPA) - Electrochemiluminescence immunoassay	Fujirebio Inc. <i>Treponema palladium</i> Particle Agglutination (TPPA) test kit Roche cobas e801 analyser Elecsys Syphilis assay
	Virology – Serology Serum	Varicella zoster virus antibody (IgG) by Immunoassay (Enzyme-based label)	Vidas Automated Immunoassay system
		Cytomegalovirus antibody (IgG) by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys CMV IgG assay
		Hepatitis A virus antibody, IgM by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HAV IgM assay
		Hepatitis B virus antibody anti-HBs (Quantitative) by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HBs II assay
		anti-HBc (Total) by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HBc II assay
		anti-HBc (IgM) by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HBc IgM assay

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Clinical Microbiology and Infection (cont'd)	Virology – Serology (cont'd) Serum (cont'd)	Hepatitis B virus antibody (cont'd) anti-HBe by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HBe assay
		Hepatitis B virus antigen HBsAg by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys HBsAg II assay
		HBeAg by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys HBeAg assay
		Hepatitis C virus antibody by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-HCV II assay
		Human immunodeficiency virus I & II antibody and p24 antigen by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys HIV Duo assay
		Rubella virus antibody (IgG) by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Rubella (IgG) assay
		SARS-CoV-2 Anti-RBD by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-SARS-CoV-2-2s (RBD) assay
		SARS-CoV-2 Anti-NP by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys Anti-SARS-CoV-2-2 (NP) assay
		Procalcitonin by Electrochemiluminescence immunoassay	Roche cobas e801 analyser Elecsys PCT assay

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Medical Genetics	Molecular Genetics (Microbiology) Nasopharyngeal aspirates, nasopharyngeal swabs, throat and nasal combined swab	<i>Chlamydia pneumoniae</i> – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: J38 genomic region)	Nucleic acid extraction by bioMérieux NucliSENS easyMAG Nucleic acid amplification and detection: Method as documented in OPMMOL013
		Influenza A virus – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), qualitative (Target region: M gene)	Nucleic acid extraction by bioMérieux NucliSENS easyMAG Qiagen QIAamp Viral RNA Mini Kit Nucleic acid amplification and detection: Method as documented in OPMMOL03 (by 1-step PCR)
		Influenza A virus (H1 subtype) – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), qualitative (Target region: HA gene)	Nucleic acid extraction by bioMérieux NucliSENS easyMAG Qiagen QIAamp Viral RNA Mini Kit Nucleic acid amplification and detection: Method as documented in OPMMOL05 (by 1-step PCR)
		Influenza A virus (H3 subtype) – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), qualitative (Target region: HA gene)	Nucleic acid extraction by bioMérieux NucliSENS easyMAG Qiagen QIAamp Viral RNA Mini Kit Nucleic acid amplification and detection: Method as documented in OPMMOL04 (by 1-step PCR)
		Influenza A virus (H5 subtype) – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), qualitative (Target region: HA gene)	Nucleic acid extraction by bioMérieux NucliSENS easyMAG Qiagen QIAamp Viral RNA Mini Kit Nucleic acid amplification and detection: Method as documented in OPMMOL11 (by 1-step PCR)

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Medical Genetics (cont'd)	Molecular Genetics (Microbiology) (cont'd) Nasopharyngeal aspirates, nasopharyngeal swabs, throat and nasal combined swab (cont'd)	<p>Influenza A virus (H7 subtype) – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), Qualitative (Target region: HA gene)</p> <p>Influenza B virus – Detection by Reverse Transcription and Real time Polymerase Chain Reaction (PCR), qualitative (Target region: HA gene)</p> <p><i>Mycoplasma pneumoniae</i> – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: P1 gene)</p>	<p>Nucleic acid extraction by bioMérieuxNucliSENSeasyMAG QiagenQIAamp Viral RNA Mini Kit</p> <p>Nucleic acid amplification and detection: Method as documented in OPMMOL024(by 1-step PCR)</p> <p>Nucleic acid extraction by bioMérieux NucliSENS easyMAG</p> <p>Nucleic acid amplification and detection: Method as documented in OPMMOL012 (1-step PCR)</p> <p>Nucleic acid extraction by bioMérieux NucliSENS easyMAG</p> <p>Nucleic acid amplification and detection: Method as documented in OPMMOL010</p>

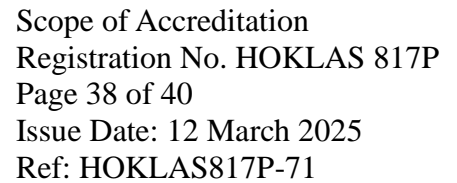
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Medical Genetics (cont'd)	Molecular Genetics (Microbiology) (cont'd)		
	Plasma	Hepatitis B Virus (HBV) – Detection by Real-Time Polymerase Chain Reaction (PCR), quantitative (Target region: pre-C/Core gene)	Nucleic acid extraction, amplification and detection by Roche Cobas 4800 System HBV quantitative assay
	Serum	Hepatitis C Virus (HCV) and genotyping – Detection by Real-Time Polymerase Chain Reaction (PCR), quantitative (Target region: 5' untranslated region (5' UTR), core region and NS5B gene)	Nucleic acid extraction, amplification and detection by Roche Cobas 4800 System HCV quantitative assay and Genotype
	Stool	Toxigenic <i>Clostridium difficile</i> – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: genes for Toxin B (<i>tcdB</i>), Binary Toxin (<i>cdt</i>), and <i>tcdC</i> deletion nt 117 (<i>tcdCA117</i>))	Nucleic acid extraction, amplification and detection: Method as documented in OPMMOL035
		Norovirus / Rotavirus / Astrovirus / Adenovirus / Sapovirus – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: proprietary)	Nucleic acid extraction by MagNA Pure 96 automated nucleic acid extraction system Nucleic acid amplification and detection: Method as documented in OPMMOL029 using Bio-Rad CFX96 Real-time Detection PCR system
	Nasal swabs	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: <i>mecA</i> and <i>mecC</i> genes, and staphylococcal cassette chromosome <i>mec</i> (<i>SCCmec</i>) inserted into the SA chromosome at the <i>attB</i> site)	Nucleic acid extraction, amplification and detection: Method as documented in OPMMOL036



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Medical Genetics (cont'd)	Molecular Genetics (Microbiology) (cont'd) Urine, genital and eye swab	<i>Chlamydia trachomatis</i> – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: highly stable region in genomic DNA including Swedish CT variant)	GeneXpert CT/NG
		<i>Neisseria gonorrhoeae</i> – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: two independent and unique regions in genomic DNA)	GeneXpert CT/NG
	CSF	Multiple meningitis and encephalitis pathogens detection and identification by multiplexed nucleic acid test, qualitative <ul style="list-style-type: none">- <i>Escherichia coli</i> K1- <i>Haemophilus influenzae</i>- <i>Listeria monocytogenes</i>- <i>Neisseria meningitidis</i>- <i>Streptococcus agalactiae</i>- <i>Streptococcus pneumoniae</i>- Cytomegalovirus (CMV)- Enterovirus (EV)- Herpes simplex virus 1 (HSV-1)- Herpes simplex virus 2 (HSV-2)- Human herpesvirus 6 (HHV-6)- Human parechovirus (HPeV)- Varicella zoster virus (VZV)- <i>Cryptococcus neoformans/gattii</i> (Target regions: proprietary)	The BioFire FilmArray Meningitis/Encephalitis (ME) Panel Method as documented in OPMMOL040

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Medical Genetics (cont'd)	Molecular Genetics (Microbiology) (cont'd) Upper respiratory samples	<p>Multiple respiratory pathogens - Detection and identification by Multiplex Polymerase Chain Reaction, qualitative (Viruses)</p> <ul style="list-style-type: none"> - Adenovirus - Coronavirus 229E - Coronavirus HKU1 - Coronavirus NL63 - Coronavirus OC43 - Middle East Respiratory Syndrome Coronavirus (MERS-CoV) - SARS-CoV-2 - Human metapneumovirus - Human rhinovirus /enterovirus - Influenza A virus - Influenza A virus / H1 - Influenza A virus / H3 - Influenza A virus / H1-2009 - Influenza B virus - Parainfluenza virus 1 - Parainfluenza virus 2 - Parainfluenza virus 3 - Parainfluenza virus 4 - Respiratory syncytial virus <p>(Bacteria)</p> <ul style="list-style-type: none"> - <i>Bordetella parapertussis</i> - <i>Bordetella pertussis</i> - <i>Chlamydia pneumoniae</i> - <i>Mycoplasma pneumoniae</i> <p>(Target regions: proprietary)</p>	The BioFire FilmArray Respiratory 2.1 Plus (RP2.1 Plus) Panel Method as documented in OPMMOL039

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Medical Genetics (cont'd)	Molecular Genetics (Microbiology) (cont'd) Respiratory samples (cont'd)	<p>Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) – Detection by Multiplex Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: E gene, N2 gene)</p> <p>(Target region: ORF 1 ab gene and ORF 8 gene)</p> <p>(Target region: E gene, N gene)</p> <p>(Target region: ORF 1ab gene, E gene)</p> <p>Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), Influenza A Virus, Influenza B Virus and Respiratory Syncytial Virus (RSV) – detection by Reverse Transcription and Real-Time Polymerase Chain Reaction, qualitative (Target Region: SARS-CoV-2: E gene, N2 and RdRP gene, Influenza A virus: M, PB2 and PA gene, Influenza B virus: M and NS gene, RSV: RSV A and RSV B nucleocapsid gene)</p> <p><i>Mycobacterium tuberculosis</i> complex and rifampin resistance – Detection by Real-Time Polymerase Chain Reaction (PCR), qualitative (Target region: IS1081, IS6110 and <i>rpoB</i> gene)</p>	<p>XpertXpress SARS-CoV-2 Assay Methods as documented in OPMMOL041</p> <p>BioFire COVID-19 Test v1.0 Method as documented in OPMMOL042</p> <p>LightMix Kit SARS-CoV-2 E+N UBC Assay Method as documented in OPMMOL043</p> <p>Roche Cobas 6800 System Cobas SARS-CoV-2 Assay Method as documented in OPMMOL046</p> <p>Xpert Xpress CoV-2/Flu/RSV <i>plus</i> Assay Method as documented in OPMMOL050 and OPMMOL051</p> <p>Xpert MTB/RIF Ultra Assay Method as documented in OPMMOL038</p>