Department of Pathology
Queen Mary Hospital
Laboratory Test Price List for Inter-Hospital Cross-Charging (2023/2024)
(Effective from 1 Oct 2023)

A. Division of Anatomical Pathology

Category	**Description**	**Price (HK$)**
Routine Surgical Cases	Biopsy, Bone Marrow, Trephine and Clot	2,996
	Biopsy, Special, Metabolic Bone (Undecalcified bone)	4,455
	Liver biopsy, special profile	4,236
	Lymphoma biopsy for diagnosis and typing	4,236
	Surgical Specimen, Simple or all embedded	2,996
	Surgical Specimen, High Complexity	4,236
	Transplant Biopsy (including liver, lung, heart)	4,115
Cytology Cases	Cytology, GYN (Liquid-Based), with Interpretation	637
	Cytology, Non-GYN, with Interpretation	637
	Fine Needle Aspiration Cytology, with Procedure Attendance	3,819
	Fine Needle Aspiration Cytology, without Procedure Attendance	1,899
Autopsy	Autopsy, Clinical/ Perinatal *(subject to prior agreement with the mortuary and pathologist)*	14,978
Special Surgical Cases	Rectal biopsy with report (Hirschsprung's Disease)	3,819
	Renal biopsy with report (include special stains, IF and EM)	6,057
	Skin or mucosal biopsy with report (include IF panel)	4,225
	Nerve biopsy with report (include EM)	5,717
	Muscle biopsy with report (include special stains, enzyme histochemical stains and EM)	7,802
Electron Microscopy	EM procedures, without interpretation (eg. renal, skin)	3,248
	EM procedures, with interpretation (eg. renal, skin)	4,071
	EM procedures, high complexity, without interpretation (eg. muscle, nerve)	4,038
	EM procedures, high complexity, with interpretation (eg. muscle, nerve)	5,344
	EM semi-thin section, without interpretation	1,306
H&E and spare section	Preparation of unstained section (per slide)	88
	Preparation of H&E stained Slide (per slide)	143

Category	Description	Price (HK$)
Immunofluorescence Test	Individual immunofluorescence staining without interpretation	363
	Renal IF panel, without interpretation	1,504
	Renal IF panel, with interpretation	3,018
	Skin or mucosal IF panel, without interpretation	1,811
	Skin or mucosal IF panel, with interpretation	3,621
Special Stains	Individual special staining without interpretation	363
Enzyme Histochemistry	Individual enzyme histochemical staining without interpretation	428
Immunohistochemistry	ALK IHC, with interpretation	1,372
	ALK IHC, without interpretation	1,098
	MMR IHC Test for Microsatellite Instability Status, with Interpretation (MSH 1, MSH 2, MSH6, and PMS2)	1,701
	PD-L1 IHC Test with Interpretation	1,537
	ROS-1 IHC Test with Interpretation	1,098
	Other IHC tests, without interpretation	494
In-Situ Hybridization	EBV EBER RNA detection (by ISH), RNA only	1,021
	EBV EBER RNA detection (by ISH), full set with + and - control	3,062
	HER2 gene amplification assay (by SISH/DISH)	3,292
	Kappa and Lambda light chain restriction detection (by ISH)	1,811
Molecular	1p19q status FISH test	8,131
	ALK expression and rearrangement in lung cancer (by RT-PCR)	3,841
	BRAF gene mutation analysis (by microdissection & Sequencing)	3,292
	c-KIT gene mutation analysis (by microdissection & Sequencing)	3,841
	Detection of Ig and TcR gene rearrangement (by PCR)	4,389
	Detection of Ig gene rearrangement (by PCR)	3,292
	Detection of TcR gene rearrangement (by PCR)	3,292
	Detection of translocation t(11;14) or BCL1-IGH in mantle cell lymphoma (by PCR)	1,646
	Detection of translocation t(14;18) or BCL2-IGH in follicular lymphoma (by PCR)	1,646
	EGFR gene mutation analysis (by microdissection & sequencing)	3,292

Category	Description	Price (HK$)
	EGFR mutation test on Liquid Biopsies (by real-time PCR)	3,292
	KRAS + NRAS gene mutation analysis (by microdissection & Sequencing)	3,841
	KRAS gene mutation analysis (by microdissection & Sequencing)	3,073
	MGMT gene promoter methylation assay for malignant glioma (for Temozolomide treatment) (by methylation-specific PCR)	2,744
	PIK3CA gene mutation test (included 3 exons per test)	4,060
	ROS1 FISH test	4,115
	Translocation detection in leukaemia: FIP1L1-PDGFRA (by RT-PCR)	1,976
	Translocation detection of Synovial sarcoma (by RT-PCR)	1,976
	Translocation detection of Alveolar Rhabdomyosarcoma (by RT-PCR)	1,976
	Translocation detection of Desmoplastic small round cell tumour (by RT-PCR)	1,976
	Translocation detection of Ewing's sarcoma (by RT-PCR)	1,976
	Other FISH analysis (please enquire)	4,389
	Other gene mutation analysis by microdissection & sequencing (please enquire)	3,292

Remarks:

- Renal IF panel include: IgA, IgG, IgM, C3, C1q
- Skin IF panel include: IgA, IgG, IgM, C3, C1q, Fibrinogen
- Muscle staining panel include: HE, PAS, GT, SBB, Phosphorylase, NADH, SDH, ATP pH 4.3, 4.6, 9.4
- Nerve for EM examination does not include Teased-fiber analysis

AP Office Tel: 2255 4123

For Enquiry on molecular service, please call 2255 2288 / 2255 2290

B. Division of Chemical Pathology

Test Name	Sample Nature	Price (HK$)
5-Flourouracil	**Blood**	**685**
5-Hydroxyindole Acetic Acid	Urine, Spot (Paed only)	368
	Urine, 24-hr	368
17 Alpha-Hydroxyprogesterone (MS)	Blood	383
27-Hydroxycholesteral, Total	Blood	4,714
27-Hydroxycholesteral, Free	Blood	4,569
Alpha-Subunit	Blood	840
Acid Mucopolysaccharides	Urine, Spot	852
Acylcarnitine Profile	Blood	1,235
Adrenocorticotrophic Hormone (ACTH)	Blood	296
Alanine Transaminase (ALT)	Blood	28
Albumin	Blood	28
	Body Fluid	28
Alcohol Profile, Quantitative by Gas Chromatography (Ethanol, Isopropanol, Methanol, Acetone)	Blood	412
Aldosterone	Blood	435
Alkaline Phosphatase (ALP)	Blood	28
Alkaline Phosphatase (Heat Stable)	Blood	149
Aluminum	Blood	199
Amikacin	Blood	259
Amino Acids	Blood	703
	Urine, Spot	703
	CSF	703
Ammonia	Blood	76
Amylase	Blood	48
	Body Fluid	48
	Urine, Spot	48
Androstenedione	Blood	393
Apolipoprotein A1 (Apo A1)	Blood	149
Apolipoprotein B (Apo B)	Blood	149
Aspartate transminase (AST)	Blood	28
Aspartate transminase, macro (Macro-AST)	Blood	187
Arsenic	Blood	412
	Urine, Spot (Paed only)	511
	Urine, 24-hr	511

Test Name	Sample Nature	Price (HK$)
Beta-Human Chorionic Gonadotropin (βHCG)	Blood	179
Beta-Hydroxybutyrate	Blood	149
Bicarbonate (venous)	Blood	44
Bile Acids, Total	Blood	231
Bilirubin, Direct	Blood	28
Bilirubin, Total	Blood	28
Bilirubin, Conjugated (Paediatric)	Blood	30
Bilirubin, Unconjugated (Paediatric)	Blood	30
Blood Gases (pH, pCO2 & pO2)	Blood	65
BONE (Ca, Phos, ALB & ALP)	Blood	112
C-Peptide	Blood	329
CA 125	Blood	329
CA 19.9	Blood	329
Cadmium	Blood	199
	Urine, 24-hr	254
Calcitonin	Blood	271
Calcium	Blood	28
	Body Fluid	28
	Urine, Spot (Paed only)	48
	Urine, 24-hr	48
Calcium, Ionised	Blood	84
Carbamazepine	Blood	149
Carboxyhaemoglobin	Blood	103
Carnitine, Free	Blood	199
Catecholamines (Norepinephrine, Epinephrine, Dopamine, Noretanephrine, Metanephrine)	Urine, Spot (Paed only)	985
	Urine, 24-hr	985
Ceruloplasmin	Blood	103
Chitotriosidase	Blood	618
Chloride	Blood	28
	Body Fluid	28
	Urine, Spot (Paed only)	48
	Urine, 24-hr	48
Cholesterol, Total	Blood	31
Cholesterol	Body Fluid	31
HDL-Cholesterol	Blood	39
LDL-Cholesterol, Direct	Blood	71
Cholinesterase	Blood	103

Test Name	Sample Nature	Price (HK$)
Clonazepam	Blood	254
Copper	Blood	199
	Urine, 24-hr	254
Cortisol, Total	Blood	91
Cortisol, Free	Urine, Spot	164
	Urine, 24-hr	164
Creatine Kinase	Blood	42
Creatinine	Blood	28
	Body Fluid	28
	Urine, Spot	48
	Urine, 24-hr	48
Cyclosporin A (Trough)	Blood	149
Cyclosporin A (C2 level)	Blood	296
Delta-Aminolevulinic Acid	Urine, 24-hr	355
Digoxin	Blood	117
Estradiol	Blood	123
Ethanol	Blood	103
Ethosuximide (Zarontin)	Blood	199
Everolimus	Blood	326
Fatty Acid, Free	Blood	149
Fatty Acids, Very Long Chain	Blood	994
Fecal Occult Blood (FOBT)	Stool	106
Ferritin	Blood	179
Follicle Stimulating Hormone (FSH)	Blood	123
Fractional excretion for carnitine	Blood + urine	474
Fructosamine	Blood	91
Gabapentine	Blood	326
Gamma Glutamyl Transferase (GGT)	Blood	28
Glucose	Blood	28
	Body Fluid	28
	CSF	42
Growth Hormone	Blood	214
Haemoglobin, free	Blood	26
Haptoglobin	Blood	76
HbA1c	Blood	91
Homocysteine	Blood	259
Homovanillic Acid	Urine, Spot (Paed only)	368
	Urine, 24-hr	368

Test Name	Sample Nature	Price (HK$)
Insulin	Blood	205
Iron	Blood	65
Iron Status (Iron, Total Iron Binding Capacity & % Transferrin Saturation)	Blood	205*
Ketone Bodies, quantitative	Blood	76
Lactic Acid	Blood	76
	CSF	103
Lactate Dehydrogenase (LDH)	Blood	42
	Body Fluid	42
	CSF	38
Lamotrigine	Blood	326
Lead	Blood	199
	Urine, 24-hr	254
Lipase	Blood	154
Lipid Profile (Cholesterol, Triglycerides, HDL-Cholesterol, calculated LDL-Cholesterol)	Blood	103*
Lipoprotein(a) (Lp(a))	Blood	310
Lipoprotein Pattern	Blood	525
Lithium	Blood	76
Liver Function Tests (Total Protein, Albumin, Total Bilirubin, ALP, ALT, AST)	Blood	147*
Luteinising Hormone (LH)	Blood	123
Lysozyme	Blood	249
	Urine, Spot	249
Magnesium	Blood	58
	Urine, Spot	254
	Urine, 24-hr	254
Manganese	Blood	199
Mercury	Blood	199
	Urine, 24-hr	254
Metabolic Screening	Urine, Spot	285
Methemoglobin (MetHb)	Blood	103
Methanol	Blood	412
Methotrexate	Blood	214
Microalbumin	Urine, Spot	91
	Urine, 12-hr	91
Mycophenolic Acid (MPA)	Blood	259
Myoglobin	Urine, spot	91

Test Name	Sample Nature	Price (HK$)
Neurotransmitter Metabolites	CSF	1,227
NT-Pro BNP	Blood	770
Organic Acids	Urine, Spot	753
Orotic Acid	Urine, Spot	496
Osmolality	Blood	65
Oxalate	Urine, Spot	65
	Urine, 24-hr	426
Paracetamol (Acetaminophen)	Blood	91
Parathyroid Hormone (PTH)	Blood	205
pH	Fluid	39
	Urine, Spot	39
Phenobarbital	Blood	179
Phenylalanine (PKU)	Blood	375
Phenytoin	Blood	179
Phosphate	Blood	28
	Body Fluid	28
	Urine, Spot (Paed only)	48
	Urine, 24-hr	48
Phytosterols	Blood	852
Plasma Metanephrines	Blood	1,010
Plasma Porphyrin Fluorescence Scanning (PORFS)	Blood	2,157
Porphobilinogen (PBG)	Urine, Spot	171
Porphrins	Urine, Spot	313
Potassium	Blood	28
	Body Fluid	28
	Urine, Spot	48
	Urine, 24-hr	48
Prealbumin	Blood	76
Pregnancy test (Urine)	Urine, Spot	179
Progesterone	Blood	149
Prolactin	Blood	205
Protein, Total	Blood	28
	Body Fluid	28
	CSF	48
	Urine, Spot	48
	Urine, 24-hr	48
Pyruvic acid	Blood	171

Test Name	Sample Nature	Price (HK$)
Renal Function Tests (Sodium, Potassium, Chloride, Urea, Creatinine)	Blood	129*
Renin	Blood	620
Salicylates	Blood	65
Selenium	Blood	199
Serum Dehydroepiandrosterone Sulfate (DHEAS)	Blood	351
Serum Vitamin D	Blood	669
Sex Hormone-Binding Globulin (SHBG)	Blood	296
Sirolimus (Rapamycin)	Blood	326
Sodium	Blood	28
	Body Fluid	28
	Urine, Spot	48
	Urine, 24-hr	48
Steroid Profiling (QMH case only)	Urine, spot (<3 months)	2,132
	Urine, 24-hr (>3 months)	2,132
Sugar Chromatography	Urine, Spot	285
Tacrolimus (FK506)	Blood	296
Testosterone	Blood	205
Testosterone (MS)	Blood	329
Theophylline	Blood	129
Thiopentone	Blood	355
Thyroglobulin	Blood	154
Thyroid Stimulating Hormone (TSH)	Blood	117
Thyroxin, Free (FT4)	Blood	117
TIBC	Blood	62
Toxicology Screening	Urine, spot	711
Transferrin	Blood	76
Transketolase & Thiamine Pyrophosphate Effect	Blood	496
Triglycerides	Blood	31
	Body Fluid	31
Triiodothyronine, Free (FT3)	Blood	135
Troponin T	Blood	205
Uric Acid	Blood	34
	Body Fluid	34
	Urine, Spot	125
	Urine, 24-hr	125

Test Name	Sample Nature	Price (HK$)
Uracil	**Blood**	**950**
Urea	Blood	28
	Body Fluid	28
	Urine, Spot	48
	Urine, 24-hr	48
Valproic Acid (Epilim)	Blood	103
Vanillylmandelic Acid (VMA)	Urine, Spot (Paed only)	368
	Urine, 24-hr	368
Vigabatrin (Sabril)	Blood	326
Voriconazole	Blood	2,820
Whole Exome Sequencing, Profile tests:1. Next Generation Sequencing (NGS), 2. Sanger Sequencing (NGS confirmation)	**Blood**	**32,500**
Whole Exome Sequencing, Profile tests:1. Next Generation Sequencing (NGS)	**Blood**	**28,300**
Whole Exome Sequencing, Profile tests: 2.Sanger Sequencing (NGS confirmation)	**Blood**	**3,910**
Zinc	Blood	199

* Special price for grouped tests.

C. Division of Clinical Immunology

SEROLOGY TESTS		
TEST	**Price (HK$)**	**Remarks**
a1-antitrypsin	105	
a1-antitrypsin clearance	1,260	
Allergen-specific IgE - phadiatop	494	
- each single allergen	236	
- each mixed allergen	320	
Alpha foetoprotein	268	
Anti-acetyl choline receptor	**510	
Anti-adrenal	173	
Anti-aquaporin-4	**520	
Anti-b2-glycoprotein-1	331	
Anti-cardiolipin IgG	215	
Anti-cardiolipin IgM	215	
Anti-cyclic citrullinated peptide	331	
Anti-DFS70	315	
Anti-DNA	331	
Anti-ENA	331	
Anti-ENA (blot)	331	
Anti-F-actin	173	
Anti-GAD (IFA)	**340	
Anti-GAD65	257	
Anti-gangliosides	**2,120	
Anti-glomerular basement membrane	331	
Anti-IA2	257	
Anti-intrinsic factor	215	
Anti-islet cell	173	
Anti-Jo-1 (ELISA)	331	
Anti-LKM	173	
Anti-mitochondria	173	

TEST	Price (HK$)	Remarks
Anti-mitochondria M2 (ELISA)	331	
Anti-myeloperoxidase	331	
Anti-MOG	**790	
Anti-neuronal antibody	**610	
Anti-neuronal antibody (Lineblot)	**610	
Anti-neutrophil cytoplasmic antibody	158	MPO-ANCA / PR3-ANCA will be separately charged if performed
Anti-NMDA-R	**1,110	
Anti-nuclear antibody	158	
Anti-PLA2R ELISA	326	
Anti-PLA2R IF (Screen)	305	
Anti-parietal cell	173	
Anti-proteinase 3	331	
Anti-SCA IgA	173	
Anti-SCA IgG	173	
Anti-Scl-70 (ELISA)	331	
Anti-skin	173	
Anti-smooth muscle	173	
Anti-striated muscle	173	
Anti-THSD7A	336	
Anti-thyroglobulin (ELISA)	215	
Anti-TPO (ELISA)	215	
Anti-thyroid stimulating hormone receptor	494	
Anti-tTG IgA	336	
Anti-tTG IgG	336	
Autoimmune Encephalitis Ab Panel	**2,660	
b2-microglobulin	347	
C1 inhibitor	105	
C1 inhibitor function	509	
C3, C4	137	
Ca 15.3	362	
Carcinoembryonic antigen	268	

TEST	Price (HK$)	Remarks
Complement function	908	
Complement function (ELISA)	3,329	
C-reactive protein	100	
C-reactive protein (high-sensitivity)	121	
Crithidia assay	147	
Cryoglobulins	247	
Free light chains	*490	
Free/total PSA	683	Price includes: FPSA ($336) + PSA ($347).
IgA Heavy and Light Chain Pair	*1,138	
IgG Heavy and Light Chain Pair	*1,138	
IgD	425	
IgE	221	
IgG, IgA, IgM	284	
IgG4	347	
IgG Subclass	788	
Immunofixation	452	
ImmunoCAP ISAC	3,754	
Myositis Ab IgG Panel (Line Blot)	898	
Oligoclonal protein (CSF)	651	
Prostate-specific antigen	347	
Rheumatoid factor	100	
Serum protein electrophoresis	121	Immunofixation will be separately charged if performed.
Skin test (each drug)	840	
Soluble C5b-9 assay	1,019	
Tryptase	683	
Urine protein electrophoresis	158	Immunofixation will be separately charged if performed.

CELL FUNCTION TESTS		
TEST	**Price (HK$)**	**Remarks**
Basophil activation test (each allergen)	835	
B cell subset	2,683	
Standard lymphocyte markers	1,655	$331 per marker
CD4:CD8	993	$331 per marker
CD11b	662	$331 per marker
Mitogen stimulation of lymphocytes	1,848	$462 per stimulus
Chemotaxis	462	
Chemotaxis inhibitor	462	
NBT reduction	173	
SCD25	4,862	
Dihydrorhodamine reduction	557	
TPMT/NUDT15	1,402	

* Stop cross-charging on HA hospital on 1/7/2019

** Stop cross-charging on HA hospital on 1/4/2020

D. Division of Haematology

Routine Test	Standard charges (HK$)	*Turnaround Time
1. Complete blood count with automated differential counts (CBP(DC))	70	2 hrs
2. Peripheral blood smear examination	137	8 hrs
3. Reticulocyte count (automated)	44	24 hrs
4. Erythrocyte sedimentation rate (ESR)	70	8 hrs
5. Malarial parasites screen	189	3 hrs
6. Prothrombin time (PT)	70	1.5 hrs
7. Activated partial thromboplastin time (APTT)	70	1.5 hrs
8. Thrombin time (TT)	57	4 hrs
9. Fibrinogen	60	4 hrs
10. D-dimers	98	2 hrs
11. Methaemalbumin	170	3 working days
12. Glucose-6-phosphate dehydrogenase (G6PD) - assay - screening	 198 44	 3 working days 24 hrs
13. Erythropoietin	1,541	2 weeks
14. Active B12 (Holotranscobalamin) / Folate	648	7 working days
15. Bone marrow aspirate examination	884	2 working days
16. Cytochemistry (for leukaemia typing)	1,216	2 working days
17. ABO and/or Rh(D) typing	104	2-3 hrs
18. Antibody screening	103	2-3 hrs
19. Type and screen	207	2-3 hrs
20. Crossmatch	106	10 mins if T&S are negative
21. Rhesus phenotype	169	1 working day
22. Direct antiglobulin test (DAT)	103	1 working day
23. Cold agglutinin	108	1 working day
24. Kleihauer test	170	3 working days
25. Haemosiderin (Urine)	93	8 hrs

** Turnaround time: Request for shorter times can be made on a case to case basis depending on circumstances. Please discuss with haematologist (tel: 22553160).*

Specialised test	Standard charges (HK$)	*Turnaround time
1. Special Haematology		
• Isopropanol stability test	232	24 hrs
• Pyruvate kinase assay	541	3 working days

Thalassaemia screening:
• Hb pattern (HbA2 & HbF Quantitation & HbH inclusion bodies)
• Hb electrophoresis
  o Sebia alkaline gel
  o Sebia acid gel
	
	294
	
	472
		
		10 working days
		
		14 working days

2. Coagulation		
• **Single clotting factor assay (including PT,APTT)**	**787**	**1 week**
• **Factor XIII assay (including PT, APTT, Fibrinogen)**	**4,280**	**1 week**
• **Inhibitor screen (including PT, APTT)**	**730**	**2 working days**
• **FVIII inhibitor assay (including PT, APTT)**	**1,316**	**2 working days**
• **Investigation of Haemophilia A & VWD (FVIII:C, VWF:Ag & VWF:RCo) (including PT, APTT, Fibrinogen)**	**2,141**	**4 weeks**
• **Ristocetin-induced platelet aggregation (including PT, APTT)**	**1,303**	**1 week**
• **Inherited Thrombophilia (Antithrombin, Protein C, Protein S, Activated Protein C Resistance Sensitivity Ratio) (including PT, APTT)**	**3,630**	**2 months**
• **Investigation of Thrombophilia (Lupus anticoagulant, Antithrombin, Protein C, Protein S, Activated Protein C Resistance Sensitivity Ratio) (including PT,APTT, TT)**	**3,981**	**2 months**
• **Antithrombin (including PT, APTT)**	**886**	**2 months**
• **Protein C (including PT, APTT)**	**886**	**2 months**
• **Protein S (Total & Free) (including PT, APTT)**	**1,959**	**2 months**
• **Activated Protein C Resistance Sensitivity Ratio (including PT, APTT)**	**319**	**2 months**
• **Lupus anticoagulant (screening & confirmation) (including PT, APTT, TT)**	**491**	**4 weeks**
• **Platelet aggregometry (including PT, APTT)**	**1,258**	**1 week**

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Specialised test	Standard charges (HK$)	*Turnaround time
• **Heparin induced thrombocytopenia (HIT) : Anti-Heparin/PF4 antibody detection (including PT, APTT)**	**1,946**	**1 working day**
• **Heparin assay (Anti-Xa activity) (including PT, APTT)**	**865**	**1 working day**
• **Rivaroxaban Assay (including PT, APTT, Fibrinogen, TT)**	**2,905**	**2 working days**
• **Apixaban Assay (including PT, APTT, Fibrinogen, TT)**	**3,487**	**2 working days**
• **Dabigatran Assay (including PT, APTT, Fibrinogen, TT)**	**3,417**	**2 working days**
• **Edoxaban Assay (including PT, APTT, Fibrinogen, TT)**	**2,647**	**2 working days**
3. Cell Marker		
• Leukaemia immunophenotyping (appropriate markers), per marker	463	7 working days
• Measurable Residual Disease (MRD) by flow cytometry	8,643	14 working days
• CD34 positive haemopoietic stem cells enumeration	1,176	1 working day
• CD3 viability by flow cytometry	1,526	1 working day
• Single marker	463	1 working day
• Eosin-5-maleimide (EMA) binding test	1,457	2 working days
4. Cytogenetic studies & FISH		
• Conventional cytogenetics	4,124	18 days
• FISH – Interphase, per hybridization	3,881	45 days
• FISH – Metaphase, per hybridization	7,455	45 days
• Multiple myeloma FISH panel (6 hybridizations)	23,286	45 days
• Chronic lymphoproliferative leukaemia FISH Panel (4 hybridizations)	15,524	45 days
5. Genomics		
• *JAK2* p.V617F mutation	1,570	3 weeks
• Quantitative PCR for *BCR::ABL1* p210 transcript	3,533	4 weeks
• Quantitative PCR for *RUNX1::RUNX1T1* transcript	3,986	4 weeks
• *BCR::ABL1* p190 (e1a2) digital PCR for monitoring of B-lymphoblastic leukaemia	4,064	4 weeks

** Turnaround time: Request for shorter times can be made on a case to case basis depending on circumstances. Please discuss with haematologist (tel: 22553160)*

Specialised test	Standard charges (HK$)	*Turnaround time
• Qualitative RT-PCR for *BCR::ABL1* p190 transcript	2,944	3 weeks
• Qualitative RT-PCR for *BCR::ABL1* p210 transcript	2,944	3 weeks
• Qaulitative RT-PCR for *BCR::ABL1* p190+p210 transcript	4,514	3 weeks
• Multiplex qualitative RT-PCR for *BCR::ABL1* p190(e1a2), p210(e13a2 and e14a2) and *JAK2* p.V617F mutation with 2 confirmation PCRs	5,541	3 weeks
• NPM1 and FLT3-ITD mutation detection for acute myeloid leukaemia	2,626	1 week
• NPM1 digital PCR for monitoring of acute myeloid leukaemia	6,594	4 weeks
• CALR exon 9 mutation detection for myeloproliferative neoplasms	2,516	3 weeks
• JAK2 exon 12 mutation detection for myeloproliferative neoplasms	2,358	3 weeks
• MPL exon 10 mutation detection for myeloproliferative neoplasms	2,358	3 weeks
• BCR::ABL1 kinase domain mutation detection	3,308	4 weeks
• *MYD88 p.L265P mutation detection for lymphoplasmacytic lymphoma*	2,399	3 weeks
• *BRAF* p.V600E mutation detection for hairy cell leukaemia	4,073	3 weeks
• Qualitative RT-PCR for *KMT2A::AFF1* transcript	2,967	2 weeks
• Qualitative RT-PCR for *TCF3::PBX1* transcript	2,967	2 weeks
• Next Generation Sequencing (NGS) Leukaemia Panel	15,067	3 months
• Next Generation Sequencing (NGS) Targeted RNA-seq Panel for leukaemia	15,739	3 months
• **Next Generation Sequencing (NGS) for Inherited Haematological Diseases**	**18,170**	**3 months**

** Turnaround time: Request for shorter times can be made on a case to case basis depending on circumstances. Please discuss with haematologist (tel: 22553160).*

Specialised test	Standard charges (HK$)	*Turnaround time
5. Genomics		
• *Alpha globin genotyping (routine profile)* including: i. Multiplex PCR to detect SEA deletion and single α-globin gene deletions (3.7kb & 4.2kb) ii. Multiplex PCR to detect α-globin gene amplification (anti-3.7 and anti-4.2) iii. Mutation detection of HbCS, HbQS and codon 30 (GAG) deletion	4,650 1,560 1,560 1,530	2 months
• Multiplex PCR to detect --(THAI) and –(FIL) deletions	1,560	
• Alpha globin gene sequencing	4,502	
• Alpha globin gene cluster screening by alpha MLPA (Multiplex Ligation-dependent Probe Amplification)	4,673	
• *Beta globin genotyping (routine profile)* including: Screening for 6 commonest β-thalassaemia mutations in Hong Kong	2,785	
• Beta globin gene sequencing	4,502	
• Beta globin gene cluster screening by beta MLPA (Multiplex Ligation-dependent Probe Amplification)	4,673	
• *High F screen panel (profile)* including: i. Chinese delta beta thalassaemia mutation detection ii. Southeast Asian (SEA) HPFH deletion (Vietnamese deletion) detection iii. G gamma promoter – 158 (G to T) detection iv. A gamma promoter – 196 (G to T) detection	6,150 1,530 1,560 1,530 1,530	
• G gamma promoter sequencing	3,680	2 months
• A gamma promoter sequencing	3,680	
• Delta globin gene sequencing	3,680	
• Factor VIII gene intron 22 and intron 1 inversions PCR	2,881	2 months

** Turnaround time: Request for shorter times can be made on a case to case basis depending on circumstances. Please discuss with haematologist (tel: 22553160).*

Specialised test	Standard charges (HK$)	*Turnaround time
6. Blood Banking & Serology		
• Antibody identification	1,865	1-5 working days depending on complexity of procedures
7. Platelet Serology Study		
Platelet Serology Study for Autoimmune Thrombocytopenia AITP (Profile)	2,240	7 days
i. Platelet antibody by indirect MAIPA method	1,520	
ii. Platelet antibody by direct MAIPA method	720	
Platelet Serology Study for Platelet Transfusion Refractoriness (Profile)		7 days
i. Platelet antibody by Luminex	2,514	
Platelet Serology Study for Neonatal Alloimmune Thrombocytopenia (NAIT) (Profile)		10 days
i. Platelet antibody by Luminex	2,514	
ii. Human platelet antigen genotyping (for mother)	1,121	
iii. Human platelet antigen genotyping (for baby)	1,121	
iv. Immunophenotyping – platelet CD36 of mother	463	
v. Human platelet antigen genotyping (for father)	1,121	
vi. Platelet antibody by indirect MAIPA method (for father)	1,520	
8. ADAMTS13 Study (Profile)		
i. ADAMTS13 Activity	**8,610**	**1 working day**
ii. ADAMTS13 Assay (ADAMTS antigen and antibody)	**6,930**	**7 working days**

** Turnaround time: Request for shorter times can be made on a case to case basis depending on circumstances. Please discuss with haematologist (tel: 22553160).*

E. Division of Transplantation & Immunogenetics

Tests - Full Descriptions	Test Abbreviations in Charging Summary	Price (HK$)
HLA Typing/ Other Genotyping		
DNA Real-time PCR/PCR-SSP/SSO/ SBT or Serology		
HLA Class I (HLA-A, B) (without HLA-DR)	HLA(I)	1,890
HLA Class I (HLA-A, B and C)	HLA(I + C)	2,245
HLA-A, B, DRB1	HLA(I+II)	2,970
HLA-A, B LR + DRB1 HR	HLA(I)-LR + HLA(II)-HR	3,980
HLA-A, B, C and HLA- DRB1	HLA(I+II+C)	3,500
HLA (Single locus)	HLA (SL)	1,110
HLA-DRB1 LR & HR	HLA(II)-LR&HR	4,170
HLA-A	HLA-A	1,110
HLA-B	HLA-B	1,110
HLA-C	HLA-C	1,110
HLA-DRB1	HLA(II)	1,110
HLA-(Single Antigen)	HLA-(SA)	530
Routine HLA-B*1502	B*1502	770
Urgent HLA-B*1502	B*1502 urgent	2,735
CT for unrelated BMT donor or recipient (HLA-A, B, C and DRB1 HR)	CT	7,500
HLA-A, B, C, DRB1 HR and DQB1 HR	HLA(I+II+C+DQ)-HR	8,760
HLA-A HR	HLA-A-HR	3,150
HLA-B HR	HLA-B-HR	3,150
HLA-C HR	HLA-C-HR	3,150
HLA-DR HR	HLA-DR-HR	3,150
HLA-(Single locus) HR	HLA-(SL)-HR	3,150
HLA typing, High Resolution (NGS)	HLA (NGS)	3,620
HLA, HR, Multi-pattern (NGS) Urine/Biopsy/Blood	HLA (Multi-pattern, NGS)	4,430
Routine HLA-B*5701	B*5701	910
Urgent HLA-B*5701	B*5701 urgent	2,860
Routine HLA-B*5801	B*5801	910
Urgent HLA-B*5801	B*5801 urgent	2,860
HLA typing for allograft transplant biopsy tissue	Allograft tissue typing	2,970
KIR typing	KIR typing	1,540
HNA Genotyping	HNA Genotyping	3,100

Tests - Full Descriptions	**Test Abbreviations in Charging Summary**	**Price (HK$)**
TPMT + NUDT15 Genotyping	TPMT+ NUDT15 Genotyping	900
HLA typing for HKBMDR	HLA (HKBMDR)	800
TREC & KREC	TREC & KREC	760
Routine CYP genotyping-2	CYP-2	1,325
Urgent CYP genotyping-2	CYP-2 urgent	3,780
Routine CYP genotyping-1	CYP-1	1,165
Urgent CYP genotyping-1	CYP-1 urgent	3,340
Routine CYP genotyping-3	CYP-3	1,720
Urgent CYP genotyping-3	CYP-3 urgent	4,330
Genetic Testing for Immunodeficiency Panel 1-16	Gene Analysis-Panel 1-16	2,670-8,770
Genetic Testing for Immunodeficiency Panel 1-16 (for family member)	Gene Analysis (family member)-Panel 1-16	1,570-5,050
Antibody screening		
CDC		
PRA for Class I only	Ab SCREEN-CDC(I)	255
ELISA &/or Luminex &/or GAT/GIFT		
Class I	Ab SCREEN(I)	500
Class II	Ab SCREEN(II)	500
Class I and II	Ab SCREEN-(I+II)	1,000
HNA-1-4a, 5 antibody test	HNA-1-4a, 5 Ab	4,000
HNA-4b antibody test	HNA-4b Ab	4,000
HNA antibody test (Profile)	HNA Ab (Profile)	8,010
Donor-recipient crossmatch for related renal transplantation		
Preliminary crossmatch for patient' sera vs 1 donor cells	Prelim XM vs donor	655
Final crossmatch for patient' sera vs 1 donor cells	Final XM vs donor	1,110
Crossmatch for patient' sera vs 1 donor cells with DTT treatment	DTT-XM vs donor	770
Donor Specific Antibody crossmatch	DSA	2,500

Tests - Full Descriptions	Test Abbreviations in Charging Summary	Price (HK$)
Processing of cadaveric kidney donor		
Basic workup for cadaveric kidney donor	Allocation of cadaveric kidney	7,500
Extended workup for cadaveric kidney donor		
CDC XM vs cadaveric kidney donor (per patient crossmatched)		
On allocation of cadaveric kidney		
Immune Cell Function Test		
ImmuKnow Assay	ImmuKnow	4,910
NK Cell Function-Cytotoxicity (Resting Stage)	NK-Cytotoxicity (RS)	2,340
NK Cell Function-Cytotoxicity (IL-2 Stimulation)	NK-Cytotoxicity (IL-2)	2,340
NK Cell Function-Cytotoxicity (Resting Stage+IL-2 Stimulation)	NK-Cytotoxicity (RS+IL2)	4,420
NK Cell Function-Degranulation, Granzyme, Perorin	NK-D/G/P	2,340
NK Cell Function Tests (Profile)	NK-Profile	6,240
B Cell Function-IgA	B Cell-IgA	2,600
B Cell Function-IgM	B Cell-IgM	2,600
B Cell Function-IgG	B Cell-IgG	2,700
B Cell Function Tests (Profile)	B Cell-Profile	7,520
Engraftment Study		
Routine first engraftment study	First engraftment	3,620
Urgent first engraftment study	First engraftment urgent	4,220
Routine subsequent engraftment study	Subsequent engraftment	1,660
Urgent subsequent engraftment study	Subsequent engraftment urgent	3,060