

2.0 HEMATOLOGY TEST

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
1	Anti-PF4 Antibody	Blood (Frozen Serum)	Plain gel tube x2	Daily	Hospital Ampang	18 weeks	Use Hospital Ampang Special Hematology Requisition form
2	Anti-Xa	Blood (Frozen Platelet Poor Plasma)	Sodium Citrate Tube 3.2% x1	By Appointment	Hospital Ampang	1 day (urgent) – Verbally informed 2 weeks – Formal report	Use Hospital Ampang Special Hematology Requisition form
3	ADAM TS13 Activity / Inhibitor	Blood (Frozen Platelet Poor Plasma)	Sodium Citrate Tube 3.2% x 2	Daily	Hospital Ampang	8 weeks	Use Hospital Ampang Special Hematology Requisition form
4	Bone Marrow Aspiration	Bone Marrow	EDTA Tube / Slide (3 ml / 10 Slide)	By Appointment	Hospital Sultan Idris Shah, Serdang	7 days	PER. PAT 301 Form
5	Bone Marrow Trephine	Bone Marrow Tissue	Universal Plain Container	By Appointment	Hospital Sultan Idris Shah, Serdang	4 weeks	PER. PAT 301 Form
6	CD4 / CD8 Enumeration	Blood	EDTA Tube x1	Monday - Thursday (Before 9am)	Hospital Tunku Azizah	7 days	PER. PAT 301 Form
7	Chromosomal Analysis / Cytogenetics for Haematological Malignancies	Bone Marrow	Heparin Transport Media, 2 ml	Monday - Thursday	Hospital Ampang	6 weeks	Use Hospital Ampang Special Hematology Requisition form
		Blood	Heparin Transport Media, 10 ml				

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			or Sodium Heparin Tube x3				
8	Chromosomal Analysis / Cytogenetics for Congenital Anomalies	Cord Blood Blood	Lithium Heparin Tube x 2	Monday - Thursday	Genetic Lab, Hospital Tunku Azizah	8 weeks	Use Cytogenetics Request Form
9	Coagulation Factor Assay - Factor VIII Antigen / Activity - Factor IX Antigen / Activity - Factor Inhibitors (Bethesda Assay)	Blood (Plasma)	Sodium Citrate Tube 3.2% x2	Daily	Hospital Tengku Ampuan Rahimah	14 days	PER. PAT 301 Form
10	Coagulation Factor Assay (Rare) - Factor II Antigen / Activity - Factor V Antigen / Activity - Factor VII Antigen / Activity - Factor X Antigen / Activity - Factor XII Antigen / Activity - Factor XIII Antigen / Activity	Blood (Plasma)	Sodium Citrate Tube 3.2% x 2	By Appointment	Hospital Tunku Azizah	4 weeks	PER. PAT 301 Form
11	Coagulation Screen - PT - APTT	Blood	Sodium Citrate Tube 3.2% x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	

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12	D-Dimer	Blood	Sodium Citrate Tube 3.2% x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	
13	Disseminated Intravascular Coagulation Screen (DIVC)	Blood	Sodium Citrate Tube 3.2% x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	
14	DNA Analysis: • α / β globin gene • Haemoglobinopathy (HbE, HbS and HbC only)	Blood	EDTA Tube x1	Daily	Hospital Kuala Lumpur	90 days	Use DNA Analysis for Thalassaemia and Haemoglobinopathies Syndromes form
15	DNA Analysis: • Haemoglobinopathy • DNA analysis of β globin gene (other than HKL offered) • Further testing for alpha and of β globin gene	Blood	EDTA Tube x1	Daily	Institute for Medical Research (IMR), National Institutes of Health (NIH)	120 days	Use DNA Analysis for Thalassaemia and Haemoglobinopathies Syndromes form
16	Erythrocyte Sedimentation Rate (ESR)	Blood	EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	
17	Erythropoietin	Blood (Frozen Serum)	Plain gel tube x2	Daily	Hospital Ampang	12 weeks	Use Hospital Ampang Special Hematology Requisition form

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18	Fibrinogen	Blood	Sodium Citrate Tube 3.2% x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	
19	Full Blood Count (FBC)	Blood	EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	Urgent: 45 minutes Routine: 4 hours	
20	Full Blood Picture (FBP)	Blood	EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	Urgent: 1 day Routine: 7 days	
21	G6PD Assay / Enzyme Activity	Blood	EDTA Tube x1	By Appointment (Monday only)	Hospital Sungai Buloh	3 weeks	PER. PAT 301 Form
22	G6PD Deficiency Screening	Blood	Dried blood on filter paper Or EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	1 day	
23	Haemoglobin Analysis	Blood	EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	4 weeks	Hb Analysis Request Form
24	Immunophenotyping Leukemia / Lymphoma	Blood Bone marrow	EDTA Tube x1	Monday - Thursday	Hospital Tunku Azizah	Verbal: 36 hours Formal: 21 days	PER. PAT 301 Form

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25	Immunophenotyping Paroxysmal Nocturnal Haemoglobinuria (PNH)	Blood	EDTA Tube x1	Monday - Thursday	Hospital Tunku Azizah	21 days	PER. PAT 301 Form
26	Kleihauer Test	Blood	EDTA Tube x1	By Appointment	Hospital Sultan Idris Shah, Serdang	3 days	PER. PAT 301 Form
27	Lupus Anticoagulant	Blood	Sodium Citrate Tube 3.2% : - Adult (>12years old) x3 tubes - Paeds x2 tubes	Daily	Hospital Selayang	8 weeks	Use Haematology / Serology Request Form (PDN) or PER. PAT 301 Form
28	Mixing Test	Blood	Sodium Citrate Tube 3.2% x2	Working days	Hospital Sultan Idris Shah, Serdang	1 day	PER. PAT 301 Form
29	Molecular BCR-ABL1 Qualitative Diagnostic Analysis	Blood	EDTA Tube x2	Working days	Institute for Medical Research (IMR), National Institutes of Health (NIH)	6 weeks	Use Molecular Analysis for Haemato-Oncology form
		Bone Marrow	EDTA Tube x1				
30	Molecular Genetic for Congenital Disorder	Blood	EDTA tube 3 – 5 mls	By Appointment	Genetic Lab, Hospital Tunku Azizah	6 months	Use Molecular Test Request Form Form

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31	Molecular Haemophilia - Haemophilia A - Haemophilia B	Blood	EDTA Tube x1	Working days	Institute for Medical Research (IMR), National Institutes of Health (NIH)	3 months	Use Haemophilia Genetic Testing Request Form
32	Molecular for Haematological Malignancy	Blood	EDTA Tube x4	Working days	Hospital Ampang	8 weeks	Use Hospital Ampang Special Hematology Requisition form
		Bone Marrow	EDTA Tube x1				
33	Molecular PCR for JAK2 / CALR	Blood	EDTA Tube x4	Working days	Hospital Ampang	10 weeks	Use Hospital Ampang Special Hematology Requisition form
		Bone Marrow	EDTA Tube x1				
34	Molecular Red Cells Membrane Disorder (Southeast Asian Ovalocytosis)	Blood	EDTA Tube x1	By Appointment (Monday only)	Hospital Sultanah Bahiyah, Alor Setar	8 weeks	PER. PAT 301 Form Informed Consent for DNA Testing
35	Reticulocyte Count	Blood	EDTA Tube x1	Daily	Hospital Sultan Idris Shah, Serdang	4 hours	
36	Thrombophilia Screening - Activated Protein C Resistance - Antithrombin Activity - Protein C Antigen / Activity - Protein S Antigen / Activity	Blood	Sodium Citrate Tube 3.2% x3	Daily	Hospital Tunku Azizah	8 weeks	PER. PAT 301 Form

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37	Von Willebrand Profile • VWF Antigen / Activity • VWF : Ricof • Collagen Binding Assay	Blood	Sodium Citrate Tube 3.2% x3	Working days	Hospital Tunku Azizah	6 weeks	PER. PAT 301 Form