

5.0 TRANSFUSION MEDICINE TEST

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
1	ABO Rh Grouping	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	45 minutes	*single order
2	Antibody Screening	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	*single order
3	ABO Rh Grouping and Antibody screening	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	*group order
4	Coomb's test	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	4 hours	
5	Group, Screen & Hold (GSH)	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	
6	GSH convert to GXM	No sample	-	24 hours	Hospital Sultan Idris Shah, Serdang	45 minutes	
7	Group and Crossmatching (GXM) - Routine	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	
8	Group and Crossmatching (GXM) - Urgent	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	45 minutes	
9	Emergency Group dan Crossmatching (Saline Phase)	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	30 minutes	
10	Safe O (Uncrossmatched Blood)	Blood	EDTA tube 3 ml	24 hours	Hospital Sultan Idris Shah, Serdang	5 minutes	* sample to be sent if available

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
11	Neonatal Specimen* Blood Group & Direct Coombs Test	Blood	EDTA tube, 500 µl infant blood	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	
12	Neonatal Transfusion* (less than 4 months) Crossmatch	Blood	EDTA tube 500 µl infant blood + 3 ml mother blood	24 hours	Hospital Sultan Idris Shah, Serdang	2 hours	
13	Antibody Identification	Blood	2 x EDTA tube 6 ml each	Office hours	Hospital Sultan Idris Shah, Serdang / PDN	14 working days	Complete PERPAT-301 form
14	(a) Investigation of Blood Transfusion Reaction – Post Transfusion 1	Blood	2 x EDTA tube 3ml each	Office hours	Hospital Sultan Idris Shah, Serdang	14 working days	*According to suspected type of transfusion reaction after consultation with medical officer/transfusion specialist
		*Blood	2 x Blood Culture Bottle (aerobe & anaerobe) 1 x Plain Tube for hemolytic workup (total and direct bilirubin, LDH, BUSE, creatinine) 1 x Sodium Citrate for coagulation profile 1 x EDTA for full blood picture)				

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
		*Urine	Urine, sample for hemoglobinuria				
		Blood	Empty blood bag				
15	(b) Investigation of Blood Transfusion Reaction – Post Transfusion 2	Blood	2 x EDTA tube 3 ml each	Office hours	Hospital Sultan Idris Shah, Serdang	14 working days	*According to suspected type of transfusion reaction after consultation with medical officer/transfusion specialist
		*Blood	1 x Plain Tube for hemolytic workup (total and direct bilirubin, LDH, BUSE, creatinine) 1 x Sodium Citrate for coagulation profile 1 x EDTA for full blood picture)				
		*Urine	Urine, sample for hemoglobinuria				
16	RBC Phenotyping	Blood	2 x EDTA tube 6 ml each	Office hours	Hospital Sultan Idris Shah, Serdang	14 working days	Complete PERPAT-301 form
17	Cold agglutinin	Blood	2 x EDTA tube 6 ml each	Office hours	Hospital Sultan Idris Shah, Serdang	14 working days	Complete PERPAT-301 form
18	Isohaemagglutinins	Blood	2 x EDTA tube 6 ml each	Office hours	Hospital Sultan Idris Shah, Serdang	14 working days	Complete PERPAT-301 form

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
19	Platelet Antibody Test	Blood	Refer Platelet Immunology Test Request PDN/IH/QP-05/02, ver 02	Office hours	Pusat Darah Negara	14 working days	Complete PERPAT-301 form Platelet Immunology Test Request form PDN/IH/QP-05/02, ver 02