

ROTUNDA HOSPITAL DEPARTMENT OF LABORATORY MEDICINE
Blood Transfusion Active Test Repertoire Table LF-GEN-0067 Ed 05

Issued Date: February 2023

BLOOD TRANSFUSION

Department Contact number: Ext 1463/1241

No.	Test	Sample Volume	Special Precautions	Turn Around Time (from receipt in the lab)		Reference Ranges	INAB Accredited Test
				Routine	Urgent		
1.	Antibody Elution	9 ml EDTA/ *2.5 ml EDTA cord or 1.3ml EDTA		Routine 24-48 hours, not available on call	Not available	N/A	
2.	Antibody Investigation	9 ml EDTA preferable **	Avoid traumatic venopuncture / haemolysis	2-5 days	2 hr depending on history / specificity	N/A	✓
3.	Antibody Titration	9 ml EDTA*	Avoid traumatic venopuncture / haemolysis	2-5 days not available on call	2 hours, Not available on call	N/A	✓
4.	Crossmatch (Adult) (Baby)	9 ml EDTA* 1.3 ml EDTA	Avoid traumatic venopuncture / haemolysis	2-8 hours request depending	If antibody screen neg- 40 minutes	N/A	✓
5.	Direct Coombs Test (Adult) (Baby)	9 ml EDTA /*2.5ml EDTA Cord sample / 0.5 ml EDTA	Do not refrigerate on the ward	Twice daily 1pm /5 pm approx..	Urgent 30 minutes	N/A	✓
6.	FMH estimation by Flow Cytometry using BRAD anti-D	9ml EDTA/2.5ml EDTA	Taken minimum 30 mins post-delivery / transfusion	60-72 hours	On consultant request. Not available on call	N/A	✓

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7.	Group and Screen (Adult) (Baby)		Avoid traumatic venopuncture/haemolysis	1-5 days	Depending on antibody status 1 hour	N/A	✓
8.	Red Cell Phenotyping (partial)	9 ml EDTA		Routine 1-5 days	40 minutes (Rh & Kell only)	N/A	✓
9.	Transfusion Investigation Reaction	9 ml EDTA + if possible 9 ml Clotted. See Q-Pulse for transfusion reaction form and other samples required	Return all blood packs to the lab, complete transfusion reaction form.	On call, if additional blood is required, request new sample for group/ screen and crossmatching. Depending on results blood may be available that day/night. Urgent full investigations will be commenced at Consultant Haematologist/ Microbiologist request only. Interim report 48-72 hrs. Otherwise investigation will commence on next routine day. Turnaround of report depends on the nature of the reaction and the investigations required. Please contact laboratory if further information is required.		N/A	✓

* EDTA preferable but clotted blood may be processed in some instances **9 ml Clotted may be processed but only in urgent cases.

Please refer to WI-HAEM 006 and LF-GEN -0072 for details on referred tests