

DEPARTMENT OF TRANSFUSION

Sl. No.	Name of the Items	Pack size acceptable	No. of Units Reqd.	Rate must be quoted per unit as given below
1	Anti-A Grouping Sera - IgM Monoclonal	10 ml.Vials	300	per ml.
2	Anti-B Grouping Sera - IgM Monoclonal	10 ml.Vials	300	per ml.
3	Anti-AB Grouping Sera - IgM Monoclonal	10 ml.Vials	100	per ml.
4	Anti-D Serum - IgM Monoclonal	10 ml.Vials	300	per ml.
5	Anti-A1 (Lectin)	5 ml.Vials	125	per ml.
6	Anti-D Igm + IgG - Monoclonal	10 ml.Vials	50	per ml.
7	Bovine Albumin 22%	5 ml Vials	5	per ml.
8	Anti Human Globulin Sera IgG+c3d	10 ml Vials	225	per ml.
9	Copper Sulphate CuSo4.5H2O - AR Grade	500 Gms	2	per 500gm.
10	Polybrene (Polyhexa dimethrine) Sigma Chemical	5 gms	1	per gm.
11	Round Plaster	Nos.	6000	per 100nos
12	Blood Lancets - Disposable	Nos.	15000	per 100nos
13	Disposable Syringe with Needle (5 ml)	Nos.	5000	each
14	Micropipette Tips 2-200 Micro Litres	1000s'	40	per 1000 Nos.
15	Micro Slides (75mm X 25 mm)	72Slide per Box	100	per 72 Slides
16	Disposable Storage vials - 10 ml. (LAXBRO)	100s'	150	per vial(10ml)
17	Disposable Sterile Gloves - 6 1/2 "	Pairs	2000	per pairs
18	Disposable Sterile Gloves - 7 "	Pairs	2000	per pairs
19	Test Tube - 10 X 50 mm	Nos	15000	each
20	Test Tube Aluminium Stand (for 12X100mm)	Nos	15	each
21	Single Channel variable Pipettes 2 -20µl	Nos	2	each
22	Single Channel variable Pipettes 20 -200µl	Nos	2	each
23	Single Channel variable Pipettes 40 -200µl	Nos	2	each
24	Single Channel variable Pipettes 100 -1000µl	Nos	2	each
25	Multi Channel Pipettes 20 - 200 µl	Nos	2	each
26	Microtitre plate U bottom	10 Nos	50	per 10 Nos.
27	Alumium rings for tube sealing	100X1	100	per 100 Nos.
28	Pasteure pipettes glass	Nos	100	per 100 Nos.
29	Blood Administration set with filter	Nos	14,000	each
	BLOOD BAGS			

Sl. No.	Name of the Items	Pack size acceptable	No. of Units Reqd.	Rate must be quoted per unit as given below
1	Blood Bags with CPDA1 - Single (350 ml)	100	1500 Nos	per bag
2	Blood Bags with CPDA1- Double (350 ml)	72	1000 Nos	per bag
3	Blood Bags with CPDA1 - Triple (350 ml)	48	7000 Nos	per bag
TESTING KITS				
1	HIV Rapid Test Kits	1 X 48 Tests	63 Kits	per test
2	HIV ELISA Test Kits	1 X 96 Tests	90 Kits	per test
3	HCV ELISA Test Kits	1 X 96 Tests	90 Kits	per test
4	HCV Rapid Test Kits	1 X 48 Tests	63 Kits	per test
5	HbsAg ELISA Test Kits	1 X 96 Tests	90 Kits	per test
6	HbsAg Rapid Test Kits	1 X 48 Tests	63 Kits	per test
7	VDRL RPR Test Kits	1 X 100 Tests	100 Kits	per test
8	Diamed ID Liss Diluent	1X 500 ml	2	per 500 ml.
9	Liss Coombs (Diamed ID)	1 x 288 Tests	3 Kits	per test
10	Haemocue test strips	Nos	200	Each
RARE ANTISERAS				
1	Anti H lectin	5ml vials	2	per ml.
2	Diaclon Anti CDE	1.5 ml vials	1	per ml.
3	Diaclon Anti K	1.5 ml vials	1	per ml.
4	Diaclon Anti C	1.5 ml vials	1	per ml.
5	Diaclon Anti c	1.5 ml vials	1	per ml.
6	Diaclon Anti E	1.5 ml vials	1	per ml.
7	Diaclon Anti e	1.5 ml vials	1	per ml.

EQUIPMENT

Sl. No.	Name of the Items	No. of Units Reqd.	Rate must be quoted per unit as given below
ANNEXURE- II			
1	<u>Domestic Refrigerator</u>	2 Nos.	each
	Specification: 1) Capacity: approx. 340 liters		
2	<u>Binocular Microscope (without D.G.)</u>	3 Nos.	each
	Specification :		
	1) Coarse & Fine focus		
	2)10x, 40x, 100x magnification		
	3) Eyepiece pointer		
	4)Moveable Abbe condenser		
	5) 6-position disk diaphragm		
6) Built-in illumination with halogen bulb with 2 spare bulbs			
7)Warranty: 1 year from the date of installation			
3	<u>Plasma Thawing Bath</u>	2 Nos.	each
	Specification :		
	1.Unit should thaw atleast 8 plasma units in less than 20 minutes.		
	2.Digital electronic bench top system with LED display.		
	3.Should have 2 separate basket assemblies securely holding plasma bags		
	4.Water bath based operating system at a preset and precise temperature of 37°C ± 0.5°C		
	5.Should give an alarm when the plasma bags are thawed.		
	6. provision for programmable time setting for length of thawing with audio completion signal.		
	7. Should have audio visual over-temperature alarm system.		
	8. Should have a deep thawing chamber with suitable arrangement for water circulation.		
	9. Should have a system to drain the chamber.		
10. Warranty: 1 year from the date of installation			

Sl. No.	Name of the Items	No. of Units Reqd.	Rate must be quoted per unit as given below
4	<u>Manual Plasma Extractor</u>	4 Nos.	each
	Specification :		
	1. Suitable for separating plasma from all types of blood collection bags manually.		
	2. Spring loaded bag holder. Ensure that bag stays in position.		
	3. Compressor plate design to exert uniform pressure		
	4. Mode of operation – manual.		
5	<u>Table Top Incubator - 37°C</u>	2 Nos.	each
	Specification :		
	1) Sturdy double walled unit with outer chamber made of MS steel and enamel painted.		
	2) Inner made of SS.		
	3) Temperature 37°C ± 1°C		
	4) Digital temperature controller with display		
	5) Inner Diameter 300 x 300 x 300		
6)Warranty: 1 year from the date of installation			
6	<u>Hot Air Oven</u>	1 No.	each
	Specification :		
	1) Sturdy double walled unit with outer chamber made of MS steel and enamel painted.		
	2) Inner made of SS.		
	3) Temperature 50-220°C ± 2°C		
	4) Digital temperature controller with display		
	5) Inner Diameter 355 x 355 x 355 mm		
6)Warranty: 1 year from the date of installation			
7	<u>Water Bath 37°C</u>	1 No.	each
	Specification :		
	1) Sturdy double walled unit with outer chamber made of MS steel and enamel painted.		
	2) Inner made of SS.		
	3) Temperature 37°C ± 1°C upto 56°C		
4) Digital temperature controller with display			

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	5) Inner Diameter 300 x 250 x 175 mm		
	6)Warranty: 1 year from the date of installation		
8	<u>VDRL Rotator</u>	2 nos	each
	<u>Specification :</u>		
	1)Platform size 12” X 12” for keeping reaction trays.		
	2)Timer with 0 to 30 minutes for control of shaking duration with 1 minute interval.		
	3)Should have built in speed regulator with maximum speed of 150-180 rpm.		
	4)Warranty: 1 year from the date of installation		
9	<u>Table Top Centrifuge</u>	2 nos	each
	<u>Specification :</u>		
	1) Microprocessor controlled, fixed angle rotor		
	2) Maximum speed: 3,500 -4,500 rpm		
	3)The centrifuge must be capable of generating RCF in excess to 2,000 X g.		
	4) Should be able to spin 12 tubes 13 X 75 mm or 13 X100 mm at a time		
	5)The system should have brush less induction drive		
	6)Dynamic braking for rapid stop without cell disturbance		
	7)Body should be made of strong fabricated & corrosion resistant steel		
	8)Should have a digital timer and display		
	9)Warranty: 1 year from the date of installation		
10	<u>Microcontroller based 16 well dry block incubator</u>	2 nos	each
	<u>Specification :</u>		
	1. Block should be made of high grade non porous aluminium.		
	2. Powder coating for corrosion resistance.		
	3. Compact dry heater.		
	4. Microcontroller based heating.		
	5. Temperature 37 ± 0.2°C		
	6. Digital temperature display		
	7. size of tubes 10 x 32 mm, to hold 16 tubes		
	8. Warranty: 1 year from the date of installation		

Sl. No.	Name of the Items	No. of Units Reqd.	Rate must be quoted per unit as given below		
11	<u>Plate centrifuge</u>	2 nos	each		
	Specification :				
	1)Microprocessor controlled, swing out rotor				
	2)Maximum speed: 3,600 rpm.				
	3)Max RCF – 2000 X g.				
	4)Should be able to accommodate rotor for 4 X 1 micro plates.				
	5)The system should have brush less induction drive				
	6)Dynamic braking for rapid stop without cell disturbance				
	7)Should have a digital timer and display				
8)Warranty: 1 year from the date of installation					
12	<u>Plate shaker</u>	1 no	each		
	Specification :				
	1.Suitable for holding 4 micro plates at a time				
	2.Shaking speed 100-1400 rpm.				
	3.Motion: exact orbital motion				
	4.Should have adjustable regulator for time & speed.				
	5.Timer: 0-20 min/ continuous				
6.Warranty: 1 year from the date of installation					
13	<u>Double pan digital balance</u>	2 nos	each		
	Specification :				
	1. Should be an electronic differential scale.				
	2. Should weigh 1-2500 g.				
	3. Should measure two loads of weighs together & display the difference of two loads.				
	4. For weighing 2 Blood bags simultaneously for balancing for centrifugation purposes.				
5.Warranty: 1 year from the date of installation					
14	Specification :				
	Specification :				
	1. Micropipettes for Elisa testing to dispense various volume				
	Single Channel variable Pipettes 2 -20µl			2	each
	Single Channel variable Pipettes 20 -200µl			2	each

Sl. No.	Name of the Items	No. of Units Reqd.	Rate must be quoted per unit as given below
	Single Channel variable Pipettes 40 -200µl	2	each
	Single Channel variable Pipettes 100 - 1000µl	2	each
	Multi Channel Pipettes 20 - 200 µl	2	each
	2. Accuracy ± 0.01 µl		
	3. Should be able to perform soft pipetting.		
	4. Should be autoclavable.		
	5. Should have tip ejector to eject used tips.		
	6. should have a digital display		
	7.Warranty: 1 year		