

PATHOLOGY

SR.	Description of Items to be purchased (as the same to be incorporated in Purchase	Suggested make (s), models and manufactures	Specifications as to material, size, weight as applicable	Nos (in Qty.)
1.	Coagulometer			01
2.	Cytospin machine			01
3.	Histokinete	Shadone		01
4.	Microtome machine	Lieka		02
5.	Cryostat machine			01
6.	Horizontal Electrophoresis machine (complete set)			02
7.	Single pan digital balance			01
8.	Microscope	Olympus	MLX-1 with Pentocular attachment, micro LAD, fluorescence, dark background attachment (Teaching microscope)	01
9.	Microscope Bnocular	Olympus	CH-20i	12
10.	Freezer -40 ⁰ C			01
11.	Freezer -70 ⁰ C			01
12.	Blood bank refrigerator (2-6 ⁰ C)			01
13.	Refrigerated centrifuge with swing out head and oval cups			01
14.	Laminar Flow			01

SR.	Description of Items to be purchased (as the same to be	Suggested make (s), models and manufactures	Specifications as to material, size, weight as	Nos (in Qty.)
15.	Weighing scale			01
16.	Dielectric sealer or aluminium clips & sealer			01
17.	Stripper			01
18.	Water bath 37 ⁰ C or Plasma Defroster (Microwave)			01
19.	Platelet reciprocator (platelete incubator with agitator)			01
20.	Cryoprecipitate bath 4 ⁰ C			01
21.	Plasma Expressor			02
22.	Automated Histopathology staining instrument			01
23.	Automated Cytology Staining instrument			01
24.	Histology Reporting format(Software)			01
25.	Cytology Reporting Format (Software)			01
26.	Flow cytometre			01

Note : 1. Before purchasing the performance of the Instruments has to be seen.

2. References of the Institutes in regard to the installation of the instrument.

3. Reference in regard to the research work carried out with the instrument.

DEPARTMENT : PATHOLOGY

REQUIREMENTS FOR PG COURSES

Requisites

A. Stains

SR.	Description of Items to be purchased (as the same to be	Suggested make (s), models and manufactures	Specifications as to material, size, weight as	Nos (in Qty.)
1.	Reticulin			01
2.	PAS			01
3.	Von Gieson			01
4.	AFB			01
5.	Masson's Trichome			01
6.	PTAH			01
7.	Alcian blue			01
8.	Muci- Carmine			01
9.	NAP			01
10.	Sudan Black			01
11.	Pearl's haemosiderine			01
12.	MOP			01
13.	Non Specific esterase			01

Note : Minimum of one kit of each stain should be purchased, rest depends on further requirements.

B. Immunohistochemistry (Immuno markers)

SR.	Description of Items to be purchased (as the same to be	Suggested make (s), models and manufactures	Specifications as to material, size, weight as	Nos (in Qty.)
1.	Cyto Keratine			
2.	EMA			
3.	Vimentin			
4.	Desmin			
5.	ER			
6.	PR			
7.	LCA (CD19, CD20, CD4, CD5, CD8)			
8.	NSE			
9.	S100			

Note : In most of the above markers primary and secondary antibodies are needed.

C. Component Separation unit

SR.	Description of Items to be purchased (as the same to be	Suggested make (s), models and manufactures	Specifications as to material, size, weight as	Nos (in Qty.)
1.	450ml double & triple bags CPDA bags			
2.	450 ml double & triple bags with CPD & additive solution (Adsol/ SAG-M)			
3.	Thin board boxes for storing plasma in freezer.			
4.	Plastic over raps for blood bags			
5.	Sterile connecting device (sterile docking device)			
6.	Transfer packs			
7.	Bag to bag connector			

Note : The requirement of the above consumables depends on the demand of the blood components.