

**KVG MEDICAL COLLEGE & HOSPITAL, SULLIA**  
**DEPARTMENT OF PATHOLOGY**

**EQUIPMENT LIST**

Sl.N o.	NAME OF THE ITEMS	
<b>(A)</b>	<b>General</b>	
1	Desktop Computers with High Speed Internet, Laser Black & White Heavy duty Laser Printers, Color Inkjet Printers, Scanners, Photocopy (Xerox) Machines, Telephone with STD facility, Fax Machine etc. Every faculty & Resident must have separate Desktop/Laptop with high speed Internet facility. Office table small and big, office chairs; museum almirahs; study table, staff room, and library almirahs, stock almirahs, store room racks, lockers with coat hangers and drawers as required. Laboratory benches with cupboards and rack for reagent bottles, water, gas and electric points, operation tables etc. as necessary.	Available
<b>(B)</b>	<b>Morbid Histology and Morbid Anatomy</b>	Available
2	Specimen Identification Solutions	Available
3	Weighing machine for cadavers (300 Kg.)	Available
4	Manual Rotary Microtome	Available
5	Automated Rotary Microtome	Available
6	Cryostat	Available
7	Hot plate	Available
8	Paraffin embedding bath	Available
9	Heated Paraffin Embedding Module	Available
10	Cold Plate for Modular Tissue Embedding System	Available
11	Automated Tissue Processor –Histokinette	Available
12	Autoclave	Available
13	Ultrapure water solutions - Distilled water plant	Available
14	Water bath	Available
15	Centrifuge machine	Available
16	Cabinet for slides	Available
17	Autopsy tables	Available
18	Digital SLR at least 20 megapixel with micro, macro, wide angle zoom lenses, Flash and other accessories	Available
19	Digital Automatic camera > 5 megapixel	Available
20	Fully Automated high throughput Multi-Stainer Workstation	Available
21	Fully Automated Embedding System (Heated embedding module & cold plate)	Available
22	Fully Automated Flexible Coverslipping Workstation	Available

23	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	Available
24	Stand alone cold plate	Available
25	Troughs for staining	Available
26	Coplin jars	Available
27	Water bath (Tissue Floatation)	Available
28	Single Pan Digital Balance, Chemical	Available
29	Balance, chemical with weights	Available
	Microscopes	
30	For Students – LED Binocular with Scanner, 10X, 40X, & Oil immersion lenses and inbuilt Battery backup power source	Available
31	For Diagnostic & Research Work - Trinocular head Microscope with Bright field, Dark field, Fluorescent & Polarizing Facility, high end Apochromatic lenses with Camera with HDMI Multi output camera Minimum 5MP with Projector & Ultra HD TV > 52 inches & Screen including Software Capable of Brightfield& Immunofluorescence Photography with connectivity to projector & LED TV (At least 55 inches Ultra HD)	Available
32	For every Professor, Associate & Assistant Professor: Binocular Microscopes with High end Semiapochromatic Optics of international standard.	Available
33	For every Tutor – Binocular Microscope with suitable high end lenses.	Available
34	Penta Head Microscope with High end Optics with HDMI Multi output Photographic camera (> 5 MP) including Software	Available
35	Deca Head Microscope with High end Optics with HDMI Multi output Photographic camera (> 5 MP) including Software	Available
36	Grossing Station - Stainless steel, with Control panel, air filtration system, Track mounted adjustable computer arm with articulation, LED lights that are color and intensity, Dedicated USB ports for camera control and data transfer adjustable, Integrated pathology camera system, Instrument Set (High quality) Height Adjustable Stainless Steel Chairs With Split AC of appropriate capacity.	Available
37	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.	Available
38	Automatic High Speed Slide Scanner for converting Slides in Digital Format with software and Database Management with backup for Data Storage	Available
<b>(C)</b>	<b>Hematology Lab:</b>	
39	Five part Fully Automated Cell Counter	Available
40	Three Part Fully Automated Cell Counter	Available

41	Coagulometer (Fully automated)	Available
42	Magnifying lens	Available
43	Blood pressure instrument	Available
44	Laboratory Counter	Available
45	Laboratory stirrer	Available
46	Automatic timer	Available
47	Balance for weighing organs	Available
48	Saws, wire for cutting bones	Available
49	Slide boxes for 100 slides for students	Available
50	Drill for boring glass	Available
51	X-ray viewing box (LED)	Available
52	Sternal puncture needle adult size	Available
53	Sternal puncture needle child size	Available
54	Liver Biopsy needle	Available
55	Stop watch reading at 1/5 second.	Available
56	pH Meter electric	Available
57	Electrophoresis Set Up	Available
58	LED Wireless Projector	Available
59	Museum jars.	Available
60	Surgical instruments.	Available
61	Glassware, stains, chemicals reagents etc. for histological work.	Available
<b>(D)</b>	<b>Clinical Laboratory:</b>	
62	Five Part Hematology Analyzer	Available
63	Three Part Hematology Analyzer	Available
64	Automatic Urine Analyzer	Available
65	Binocular Microscopes with high end optics including 100X & LED Fluorescence for each Faculty/ resident working in lab plus 2 microscopes for technicians.	Available
66	Sp. Gravity Measure	Available
67	PH meter	Available
68	Incubator	Available
69	Haemacytometers with red and white pipettes	Available
70	Syringes disposable	Available
71	Staining jars for slides.	Available
72	Automatic Hematology Slide Stainers.	Available
73	Urinometers(Mercury based instruments to be replaced with other alternatives)	Available
74	Centrifuge tubes graduated.	Available
75	Graduated cylinders for various capacities ranging from 100 cc to 1000 cc.	Available
76	Pipettes of various sizes with disposal tips.	Available
77	Reagent bottles	Available

78	Dropping bottles	Available
79	Reagents	Available
80	Balances –Digital Single Pan Sensitive Chemical balance	Available
<b>(E)</b>	<b>Specimens:</b>	
81	Mounted Specimens	Available
82	Wet Specimens	Available

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