

Department of Pathology & Microbiology

FACULTY FOR THE DEPARTMENT

NAME	DESIGNATION	QUALIFICATION
Dr. Velhankar Rahul J.	Professor (H.O.D.)	M.D.(Hom)
Dr. Gawande Arun D.	Asso. Professor	M.D.(Hom)
Dr. Vighne Shubhangi	Assi. Professor	M.D.(Hom)



The Department of Pathology provides knowledge of disease processes through the study of histopathology, haematology, microbiology, and clinical pathology. The department helps students understand diagnosis, laboratory investigations, and correlation with clinical practice.



Facilities

- Well-equipped pathology laboratory
- Microscopes and laboratory instruments
- Histology slides, charts, and specimens
- Haematology and clinical pathology setup
- Laboratory record and demonstration area



Academic Activities

- Practical laboratory sessions
- Slide demonstrations and microscope study
- Clinical pathology exercises
- Student seminars and tutorials
- Internal assessments and practical exams




DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

Details of items of Equipment etc available as per NCH(MES) Regulations			
S. No	Items	Required	Available in number
1.	Hot air oven (50o c) for special standing	1	1
2.	Centrifuge machine electric roto fix	2	2
3.	Water bath, electric	4	4
4.	Glassware	As required	Available
5.	Beaker100ml	30 pcs	30 pcs
6.	Glass cylinder 100 ml l	30 pcs	30 pcs
7.	Test tubes (6`× ½ ")	100 pcs	100 pcs
8.	Test tubes (4"×½)"	100 pcs	100 pcs
9.	Glass rods(1feet)	30 pcs	30 pcs
10.	10.Glassslides (microscopy)	200 pcs	200 pcs
11.	Glass cover slip	300 pcs	300 pcs
12.	Glass dropper	30 pcs	30 pcs
13.	Conical flask	15 pcs	40 pcs
14. A	Stains:-	As Required	Available
	Leishman stain		
	Buffer solution		
	Deionized water		
B	Gram stain:-	As Required	Available
	Crystal violet		
	Gram's iodine		
	Acetone		
	Safranin		
C	Ziehl-nelsen stain:-	As Required	Available
	Carbol -fuchsin		
	Concentrated sulphuric acid		
	Methylene blue		
D	Heat & acetic acid test:- For presence of albumin in urine	As Required	Available
	96;%glacialaceticacid		
	Deionized water		
E	Benedict's qualitative test:- For presence of sugar in urine	As Required	Available
	benedict's qualitative reagent		
F	Rothera's test:- For presence of ketone bodies in urine.	As Required	Available
	Ammonium sulphate		
	Sodium nitroprusside		
	Liquor ammonia		
G	Total WBC count WBC diluting fluid	As Required	Available

H	Total RBC count RBC diluting fluid	As Required	Available	
I	Hemoglobin estimation by colorimeter	As Required	Available	
J	Drabkin's solution	As Required	Available	
K	Hb standard	As Required		
L	N /10 hydrochloric acid (HCL) by acid	As Required	Available	
M	haematin method by sahli's haemoglobinometer	As Required	Available	
15.	Blood grouping reagent anti a, antib, anti d:	As required	Available	
16.	For stool test for ova, parasite , cyst Lugol's iodine	As required	Available	
17.	Material for preparing media:-	As required	Available	
	Nutrientagar media;			
	Macconkey's media			
	Lowenstein jensen media (LJ media);			
	Sterile petri dish (glass or plastic);			
	Nichrome wire loop holder;; Deionized water.			
18.	Materials required for histopathology :			
	Mechanical rotary microtome	01	01	
	Hot air oven	01	01	
	Water bath	01	01	
	Chemicals:	Acetone	As Required	Available
		2-propanol		
		Xylene		
		Dpxmountant		
		Formaldehyde 37%		
		Glycerol		
		Formicacid85%		
		Papanicolaou solution		
	Methylene blue			
	Coverglassslip: 22× 22mm /18×18 mm	Slide box	As Required	Available
		Dropping bottle		
		Diamond pencil		
		L mould		
		Cassette		
		Hematoxylin & eosin stain (h&e):powder		
		Hcl35%: 500ml		
		Nitric acid: 500ml		
	Slides			

		Small forceps (tooth and without tooth):		
		Steel scale		
		Scissors		
		Glass jar		
19.	Incubator	2	2	
20.	Hemocytometer with RBC and WBC pipettes	25	25	
21.	Sahli's haemoglobinometer	25	25	
22.	Autoclave	2	2	
23.	Anaerobic apparatus	2	2	
24.	Stopwatch ½ sec	2	6	
25.	Ph meter	1	1	
26.	Microscopes with oil immersion lens, movable stage and condenser	45	45	
27.	High power centrifuge for serological/ hematological work	1	1	
28.	Westergren's pipette for Erythrocyte sedimentation rate estimation	10	10	
29.	Wintrobehaematocrit tube for Erythrocyte sedimentation rate and packed cell volume	10	10	
30.	Colony counter	1	1	
31.	Coplin jars	02	4	
32.	Computer with accessories	01	1	
33.	Colorimeter and auto analyzer	01	1	
34.	Elisa reader for serological test	01	1	
35.	Pathological specimens	25	52	
36.	Urinometer (other than mercury)	02	2	
37.	Requirements in Museum			
	Histopathology slides	25	60	
	Models	20	30	


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 Shri Bhagwan Homeopathic
 Medical College, Dr. Y.S. Khedkar Marg
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