



VASANTRAO KALE

HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL

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Ref. :HMC/

/ 2025 - 2026

Date : /

TEACHING DEPARTMENTS

DEPARTMENT OF PATHOLOGY & MICROBIOLOGY			
Space for teachers and supporting staff, demonstration room, laboratories, museum and departmental library-175 sq. mtr.			
Details of items of Equipment etc available as per NCH(MES) Regulations			
S. No	Items	Required	Available in number
1.	Hot air oven (50°C) for special standing	1	01
2.	Centrifuge machine electric roto fix	2	02
3.	Water bath, electric	4	04
4.	Glass ware	As required	100 ml
5.	Beaker 100 ml	30 pcs	Available
6.	Glass cylinder 100 ml	30 pcs	30 pcs
7.	Test tubes (6" × ½ ")	100 pcs	50 pcs
8.	Test tubes (4" × ½ ")	100 pcs	300 pcs
9.	Glass rods (1 feet)	30 pcs	30 pcs
10.	10. Glass slides (microscopy)	200 pcs	350 pcs
11.	Glass cover slip	300 pcs	300 pcs
12.	Glass dropper	30 pcs	30
13.	Conical flask	15 pcs	26
14. A	Stains:-	As Required	
	Leishman stain		500ml x 2
	Buffer solution		500ml x 1
	Deionized water		2.5 ltr.
B	Gram stain:-	As Required	
	Crystal violet		500 ml
	Gram's iodine		500ml
	Acetone		500ml x 1
	Safranin		100 ml x 1
C	Ziehl-nelsen stain:-	As Required	Available
	Carbol -fuchsin		Available
	Concentrated sulphuric acid		500gm x 1
	Methylene blue		100 ml x 1
D	Heat & acetic acid test:- For presence of albumin in urine	As Required	Available

	96;% glacial acetic acid		500 ml x 1
	Deionized water		2.5 ltr x 1
E	Benedict's qualitative test:- For presence of sugar in urine	As Required	Available
	benedict's qualitative reagent		Available
F	Rothera's test:- For presence of ketone bodies in urine.	As Required	
	Ammonium sulphate		500 gm x 1
	Sodium nitroprusside		100 gm x 1
	Liquor ammonia		
G	Total WBC count:-	As Required	Available
	WBC diluting fluid		Available
H	Total RBC count	As Required	Available
	RBC diluting fluid		1000 ml
I	Hemoglobin estimation by colorimeter	As Required	01
J	Drabkin,' s solution	As Required	Available
K	Hb standard	As Required	Available
L	N /10 hydrochloric acid (HCL) by acid	As Required	1000 ml x1
M	haematin method by sahli's haemoglobinometer	As Required	25
15.	Blood grouping reagent anti a , anti b , anti d:	As required	02
16.	For stool test for ova , parasite , cyst Lugol's iodine	As required	01
17.	Material for preparing media:-		
	Nutrient agar media;	As required	500 gm
	Macconkey's media		500 gm
	Lowenstein jensen media (LJ media);		Available
	Sterile petri dish (glass or plastic);		30
	Nichrome wire loop holder;		01
	Deionized water.		1000 ml
18.	Materials required for histopathology :		
	Mechanical rotary microtome	01	01
	Hot air oven	01	01
	Water bath	01	04
	Chemicals:	As Required	500ml x 1
			500ml x 1
			1000 ml
			Available
			5000 ml
			1000 ml
			1000 ml
			125 x 6
			Available
			06
	06		
	Available		
	Available		

	Cover glass slip : 22× 22mm /18×18 mm	Cassette	As Required	Available
		Hematoxylin & eosin stain (h&e): powder		100ml x 1
		Hcl 35% : 500ml		500 ml
		Nitric acid : 500ml		500 ml
		Slides		Available
		Small forceps (tooth and without tooth) :		10
		Steel scale		02
		Scissors		06
		Glass jar		02
19.	Incubator	2	02	
20.	Hemocytometer with RBC and WBC pipettes	25	25	
21.	Sahli's haemoglobinometer	25	25	
22.	Autoclave	2	02	
23.	Anaerobic apparatus	2	02	
24.	Stopwatch ½ sec	2	02	
25.	Ph meter	1	01	
26.	Microscopes with oil immersion lens, movable stage and condenser	45	45	
27.	High power centrifuge for serological/hematological work	1	01	
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	04	
32.	Computer with accessories	01	1	
33.	Colorimeter and auto analyzer	01	1	
34.	Elisa reader for serological test	01	Available	
35.	Pathological specimens	25	35	
36.	Urinometer (other than mercury)	02	02	
37.	Requirements in Museum			
	Histopathology slides	25	50	
	Models	20	-	
38	Details of Teaching Faculty			
Teaching Staff				
Sr. No	Designation	Name Of Faculty		
	Professor	Dr. Jagtap S. N.		
	Associate Professor	Dr. Handargule S.M.		
	Assistant Professor	Dr. Dhumal J.R.		
Non-Teaching Staff				
	Lab technician	Mr. Ban V.S.		
	Lab attendant	Mrs. Suryawanshi S.R.		
	Multi-tasking staff	Mr.Koli V. C.		



Principal
Vasant Kale Homoeopathic
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