



Kulswami Medical Foundation

## Anantrao Kanase Homoeopathic Medical College & Hospital



A/P – Alephata, Tal – Junnar, Dist – Pune. (Maharashtra)

Ph – 7028196080, Email Id – [akhmcr@hotmail.com](mailto:akhmcr@hotmail.com)

### DEPT. OF PATHOLOGY

#### Departmental Teaching Staff

- **Professor & H.O.D.** :- Dr. Gholap Radhika Kamlesh
- **Associate Prof.** :- Dr. Shinde Jyoti Pravin
- **Assistant Prof.** :- Dr. Sawalkar Aparna Gajanan

#### Departmental Non -Teaching Staff

- **Laboratory Technician** :- Miss. Bhalke Snehal S.
- **Laboratory Attendant** :- Mr. Thosar Swapnil
- **Multi- Tasking Staff** :- Mrs. Vaishali Mhasde

#### AREA STATEMENT (SIZE)

S. No.	Items	NCH Requirement	Available	Room No.	Location	Remark
1	HOD Room	175 sq.mt.	15.5 sq. mt	504	Building No.2 First Floor	
2	Laboratory		88.08 sq. mt	507	Building No.2 First Floor	
3	Museum cum Demonstration Room		25.5 sq. mt	503	Building No.2 First Floor	
			Total = 129.08 Sq.mt.			

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### DEPT. OF PATHOLOGY

#### INSTRUMENTS & EQUIPMENTS

#### Requirements in museum

Sr. No.	Name of the Article	NCH Requirement	Available
1	Histopathology slides	25	100
2	Models	20	25

#### INSTRUMENTS & EQUIPMENTS

List of equipment for pathology and microbiology lab shall be as per-Appendix-6

Sr. No.	Name of the Article	NCH Requirement	Available
1	Hot air oven (50oc) for special standing	1	1
2	Centrifuge machine electric roto fix	2	2
3	Water bath (electric)	4	4
4	Glass ware	As required	Available
5	Beaker 100 ml	30 pcs	30
6	Glass cylinder 100 ml	30 pcs	30
7	Test tubes ( 6" x ½ ")	100 pcs	100
8	Test tubes ( 4" x ½ ")	100 pcs	100
9	Glass rods (1 feet )	30 pcs	30
10	Glass slides (microscopy)	200 pcs	400
11	Glass cover slip	300 pcs	300
12	Glass dropper	30 pcs	30
13	Conical flask	15 pcs	30
14	a) Stains:- (i) Leishman stain (ii) Buffer solution (iii) Deionized water	As required	Available
	b) Gram stain:- (i) Crystal violet (ii) Gram's iodine (iii) Acetone (iv) Safranin		Available

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c) Ziehl-nelsen stain:- (i) Carbol -fuchsin (ii) Concentrated sulphuric acid (iii) Methylene blue	As required	Available
d) Heat & acetic acid test:- For presence of albumin in urine (i) 96;% glacial acetic acid (ii) Deionized water		Available
e) Benedict's qualitative test:- For presence of sugar in urine (i) benedict's qualitative reagent		Available
f) Rothera's test:- For presence of ketone bodies in urine : (i) Ammonium sulphate (ii) Sodium nitroprusside (iii) Liquor ammonia		Available
g) Total WBC count:- (i) WBC diluting fluid		Available
h) Total RBC count (i) RBC diluting fluid		Available
i) Hemoglobin estimation by colorimeter		Available
j) Drabkin,' s solution		Available
k) Hb standard		Available
l) N /10 hydrochloric acid ( HCL ) by acid (m)haematin method by sahli's haemoglobinometer		Available
15 Blood grouping reagent anti a , anti b , anti d :		As required
16 For stool test for ova , parasite , cyst Lugol's iodine	As required	Available
17 Material for preparing media:- (i) Nutrient agar media; (ii) Macconkey's media (iii) Lowenstein jensen media ( LJ media); (iv) Sterile petri dish ( glass or plastic ); (v) Nichrome wire loop holder; (vi) Deionized water.	As required	Available
18 Materials required for histopathology :-		
(i) Mechanical rotary microtome	1	1
(ii) Hot air oven	1	1



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### DEPT. OF PATHOLOGY

(iii) Water bath	1	1
(iv) Chemicals: (a) Acetone (b) 2-propanol (c) Xylene (d) Dpxmountant (e) Formaldehyde 37% (f) Glycerol (g) Formic acid 85% (h) Papanicolaou solution (i) Methylene blue	As required	47
(v) Cover glass slip : 22× 22mm /18×18 mm (b) Slide box (c) Dropping bottle (d) Diamond pencil (e) L mould (f) Cassette (g) Haematoxylin& eosin stain (h and e): powder (h) Hcl 35% : 500ml (i) Nitric acid : 500ml (j) Slides (k) Small forceps (tooth and without tooth) :2 (l) Steel scale (m) Scissors (n) Glass jar	As required	431
19 Incubator	2	2
20 Haemocytometer 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	2
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



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29	Wintrobe haematocrit tube for Erythrocyte sedimentation rate and packed cell volume	10	10
30	Colony counter	1	1
31	Coplin jars	2	2
32	Computer with accessories	1	1
33	Colorimeter and auto analyzer	1	1
34	Elisa reader for serological test	1	1
35	Pathological specimens	25	25
36	Urinometer (other than mercury)	2	2
37	Total Number of Charts		78
38	Books		28
39	Frames		14
40	Details of Furniture's		27

#### List of Models

Total – 05

SR.NO	NAME OF MODELS
1	Filariasis
2	Malarial life cycle - 1
3	Malarial life cycle - 2
4	Filariasis life cycle
5	Sign and symptoms.

#### List of Chemical

Total –47

Sr. No	Chemicals
1	Iodine N/10 Soln
2	Maltose (Monohydrate)
3	Methyl violet So n
4	Methylene Blue
5	Fouchets reagent
6	Nylenders reagent
7	Hydrochloric acid N/10
8	Safranine alcohol
9	WBC dil fluid
10	E D T A

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Sr. No	Chemicals
11	Bartords reagent
12	Glycerol
13	Acetic acid Glacial
14	Sodium nitroprusside
15	Ammonia Sol n
16	Dextrine white
17	Soyabean meal
18	Jack bean meal
19	Safranin sol n
20	D - Mannitol
21	Benedict's reagent
22	Copper oxid red
23	EDTA
24	Leishman's Stain
25	WBC dil fluid
26	Nutrient Agar
27	MacConkey's Agar
28	Blood Agar
29	Surgical Spirit
30	Ammonium Sulphate
31	Ferric Chloride
32	Carbol Fuchsin
33	Berrium Chloride
34	Tri - chloro acetic acid
35	Sulphuric acid
36	Ammonium sulphide sol n
37	Nitric acid
38	Fouchet's Reagent
39	Benzidine powder
40	Anti - A,B,D (Rho) stains
41	Sulpho salicylic acid
42	Acetone

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### DEPT. OF PATHOLOGY

Sr. No	Chemicals
43	Hydrochloric acid N/10
44	Sulphoric acid N/10
45	Sulphur powder
46	Fehlings Sol n
47	Widal Kit

Details Of Glassware		Total- 431
Sr. No	Material	Availability
1	E.S.R TUBES Wintrobcs	2 with stand
2	E.S.R TUBES Westergrens	5 with stand
3	Big test tubes	151
4	Small test tubes	12
5	Measuring Cylinder	22
6	Conical flask	18
7	Glass bottles	8
8	Petri dish	32
9	Round bottom flask	15
10	Beaker - 50 ml	5
	250 ml	3
	500 ml	13
	100 ml	1
11	Fluid separating funnel	7
12	Funnel (Regular)	19
13	Magnifying glasses	1
14	Graduated pipette	0
15	Cover slip	0
16	Glass slides	87
17	Capillary tubes	30

### List of Charts

Total - 78

Sr. No	Chart
1	Obstructive respiratory disorder - Emphysema - I
2	Emphysema - 2
3	Tuberculosis - 1

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### DEPT. OF PATHOLOGY

Sr. No	Chart
4	Tuberculosis - 2
5	Hepatitis - Types
6	Asthama Pathophysiology
7	Pneumonia
8	Hypersemitivity - Type - II
9	Chronic Bronchitis
10	Pathogenesis of asthma
11	The soluble Signals of inflammation
12	Inflammatory Mediators
13	Phases of / Phagocytosis
14	Gram positive Bacterias
15	Cell injury
16	Staphylococcus Aureus
17	Cellular Adaptations - 1
18	Free Radicals
19	Normal cell structure
20	Bacteria Shapes
21	Stherosclerosis
22	Apoptosis & Necrosis
23	Cell Death
24	Cellular adaptation - 2
25	Inflammation
26	Acute Leukemia
27	Sickle Cell anemia
28	Staphylococcus Aureus
29	Classification - Bacteria
30	Necrosis - Apoptosis
31	Types of shock
32	Necrosis VS Apoptosis
33	Types of Mediators
34	Mediators
35	Hypertrophy & Hyperplasia
36	Thrombosis
37	Type II Hypersensitivity
38	Free radical
39	Filariasis



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Sr. No	Chart
40	Classification oedema
41	Classification of cultural media
42	Body Huid Camportments
43	Bacteria - structure
44	Mac - Conkey's Agar
45	Free Radicals
46	Chemical mediaters of inflammat
47	Colour Variations
48	Shapes of bacteria
49	Gram positive cocci & Bacilli
50	Enriched medium
51	Enrichment Medium
52	Hemolysis on Blood Agar
53	Lecishmania life cycle
54	Filariasis
55	Miscellaneous Bacteria
56	Gram positive Bacterias
57	Apoptosis & Necrosis
58	Hypersensitivity - Type II
59	Hypersensitivity Reactions
60	Cell injury
61	Bacteria - cell wall
62	Bacteria - structure
63	Types of shock
64	Gram Negative Bacteria
65	Bacteriology
66	Shapes at Bacteria
67	Amyloidosis - Pathogenesis
68	Ultrastructure changes - cell Injury
69	life cycle of Trachuris trichuria
70	Inflammatory events
71	Enteriobacteriaceae - Shigella
72	CCF & its effects
73	Pneumococci
74	Pathpgenesis of Htpersensitivity
75	Mechanism of Apoptosis



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Sr. No	Chart
76	Tetanus
77	Microbacterium Tuberculosis
78	Anchylostoma deodenalae

### List of Departmental Books

Total -28

Sr. No	Library Books	
1	Text Book of Pathology	Robbies
2	Text Book of Microbiology	Ananth Narayan & Panikers
3	Text Book of Parasitology	Panikers
4	Text Book of Pathology	Harshmohan
5	MCQ in Microbiology	Dr. Nair & Shetty
6	Atlas of Histology	Victor P Eroschnco
7	Microbiology	Pelczor
8	Essential of Surgical Pathology	Dasgupta
9	Practical Physiology & Pathology	Verma
10	Guid to Pathology	Dr. A.K. Sharma
11	Pathology quick Review & MCQ	Harshmohan
12	Solved paper at Pathology	Hjain Publication
13	Text Book of Pathology	Dr. Harb aksh Singh
14	Parasitology	Chatterjea
15	Pulmonary Function Test in Health & Disease	Shankar Ps
16	Medical Lab Technology I	Mukharjee
17	Medical Labarotory Technology	Sood
18	Mediccal Lab Technology II	Kani A. Makherjee
19	Practical Haemtology	Dacie & Lewis
20	General Patholpgy	Bhende
21	Pathology Illustoted	Mactorlane & Reid
22	A Text Book at Pathology	Day & Day
23	Practical Record Book Volume I	MUHS Nashik
24	Practical Record Book Volume II	MUHS Nashik
25	Essentials at Medical Microbiology	Sastray & Bhat
26	Practical Physiology & Pathology with Solved Questions	Dr. Mahesh Sharan Verma

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Sr. No	Library Books	
27	Clinical Haematology in Medical Practice	Firkin, Chesterman, Penington
28	Set of 100 Colour Slides	Lab - Point

### List Of Specimens

Total - 47

Sr.No	Name of Specimen	Quantity
1	Pyelonephritis	1
2	Kidney with stones	1
3	Fibroid Uterus	1
4	Ruptured Uterus	1
5	Fibroid	1
6	Fibroid Uterus	1
7	Spina Bifida	1
8	Uterine Fibroid	1
9	Emphysematus Lung	1
10	Fibroid Uterus	1
11	Smoker's Lung (COPD)	1
12	spleen in Haemolytic Crises	1
13	Left Kidney Pyelonephrosis	1
14	Pericarditis	1
15	Uterine Fibroid	1
16	Fibroid Uterus	1
17	Fibroid Uterus	1
18	Goiter	1
19	Fibroid Cyst	1
20	Uterine Fibroid	1
21	Intenstinal Tuberculosis	1
22	Cirrhosis	1
23	Uterus with Cervical - Polyr	1
24	Micromodular Cirrhosis	1
25	Fibroid of Liver	1
26	Product of Conception	1
27	Besal cell CA	1
28	Fibroid Uterus	1
29	Uterus ( Malignancy)	1
30	Uterus with Polyp	1



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Sr.No	Name of Specimen	Quantity
31	Adeno Fibroma	1
32	Fibrofatty Liver	1
33	Calculcs	1
34	Lipoma	1
35	Urinary Calculcs	1
36	Fibroid Liver	1
37	Oxalate Stones	1
38	Urinary Calculcs	1
39	Fatty Liver	1
40	Liomyoma	1
41	Multiple Fibroid Uterus	1
42	Uterine Fibroid	1
43	Avascular necrosis of head of Femur	1
44	Unflamed Appendix	1
45	Uterine Fibroid	1
46	Papillary Carcinoma	1
47	Renal Calculas	1

### List of Frames

Total - 14

Sr. No	Frames	Qty.
1	Colony Counter	1
2	Double Lens Microscope	1
3	Wintrobe Tube	1
4	Ph Meter	1
5	Coplin Jar	1
6	Esr Tubes	1
7	Hot Plate	1
8	Autoclave	1
9	Wintergreen Tubes	1
10	Anaerobic Apparatus	1
11	Hot Air Oven	1
12	Incubator	1
13	Centrifuge	1
14	Water Bath	1

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#### List of Register

Total - 20

Sr. No	Register
1	Chemical / Drug sub Register
2	Utilization Register
3	Breakage Register
4	Tutorial Register
5	Monthly Teaching Plan
6	Department Library
7	Seminar Register
8	Inter Department Register
9	Daily Work Done Register
10	Consumable Register ( Order Given)
11	Dead Stock Register
12	List of Charts / Specimeul/ E-Musium / E -Top
13	Register of MUHS fail Record
14	Work - Done Register Practical
15	Meeting Register
16	Internal Assessment File
17	Attendance Register - Theory 2022
18	Attendance Register - Practical 2022
19	Academic Planner
20	Chemical Scrab Register



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### DEPT. OF PATHOLOGY

Details of Furniture

Total - 27

Sr. No	List of Furniture	Place	Quantity
1	Fan	Pathology Lab	1
		Pathology HOD	1
2	Wooden Rack	Pathology Lab	1
		Pathology HOD	1
		Museum cum	4
3	Table with chair	Pathology Lab	1 + 4
4	Tube Lights	Pathology HOD Room	1
		Pathology Lab	2
5	CCTV Camera	Pathology Lab	1
6	Metal Rank	Pathology Museum	2
7	Wooden Cupboard	Pathology HOD	1
8	Table	Pathology HOD & Lab	1+5
9	Wooden Podium	Pathology Museum	1



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