

**K.T.S.P. MANDAL'S  
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RAJGURUNAGAR  
DEPARTMENT OF MICROBIOLOGY  
REQUIREMENT OF THE YEAR 2021-22**

Sr.NO.	PRACTICAL REQUIREMENT	QUANTITY
<b>MEDIA AND CHEMICALS</b>		
1	Nutrient broth	
2	Nutrient agar	
3	Mac conkey broth	
4	Mac'conkey agar	
5	EMB agar	
6	Crystal violet	
7	safranin	
8	Methylene blue	
9	Congo red	
10	eosin	
11	India ink	
12	Grams iodine	
13	95% ethanol	
14	Alcohol 70%	
15	Cedar wood oil	
16	NaCl	
17	HCl	
18	peptone	
19	Beef extract	
20	Yeast extract	
21	Ph paper strip	
22	NaoH	
23	Paraffin oil	
24	phenol	
25	dettol	
26	Antibiotic pennicillin	
27	Magnesium sulphat	
28	Sodium nitrate	
29	Kovacs reagent	

30	Indole	
31	Sodium thiosulphate	
32	Starch	
33	Potassium hydroxide	
34	Sulphuric acid	
35	Potassium iodide	
36	Hydrogen peroxide	
37	Gelatine	
38	N,N,N,N tetra-dimethyl-p-phenylenediamine dihydrochloride	
39	Ninhydrin solution	
40	Phenol red	
41	Xylene reagent	
42	Tryptone	
43	Ehrlich's reagent	
44	Glucose phosphate broth	
45	Methyl red indicator	
46	Alpha naphthol	
47	Simmon citrate medium	
48	Iodine	
49	bromothymol blue	
50	Meat extract	
51	Dipotassium hydrogen phosphate	
52	Calcium carbonate	
53	Agar agar	
54	Mercury chloride	
55	CRYMA medium(Congo red yeast extract mannitol agar)	
56	Naco3	
57	Glucose	
58	Dinitrosalicylic acid	
59	Sodium potassium tartrate	
60	CuSO4.	
61	Na2CO3	
62	BSA Standard	
63	Coomassie-Brilliant blue G250	
64	glycerol,	
65	phosphoric acid	
66	Sucrose	
68	<ul style="list-style-type: none"> <li>• Molisch's reagent</li> <li>• Fehling's solution A</li> <li>• Fehling's solution B</li> </ul>	

	<ul style="list-style-type: none"> <li>• Benedict's reagent</li> <li>• Tollen's reagent</li> <li>• Iodine solution</li> <li>• Fouchets reagent</li> <li>• sulfosalicylic acid reagent</li> </ul>	
69	Conc. HNO <sub>3</sub>	
70	Millon's reagent	
71	glycin	
72	Aspartic acid	
73	Standard glucose	
74	p-nitrophenol	
75	MBRT dye	
76	yeast	
77	Boric acid	
78	Drabkin solution	
79	Cyanmethemoglobin solution	
80	Poly antibiotic disc for gram positive and negative bacteria	
81	Pregnancy test kit for agglutination inhibition test	
82	Widal test kit	
83	agarose	
84	Amido black	
85	Bromophenol blue	
86	Barbitone buffer ph8 and 0.05 M	
87	Antigen and respective antibody (tetanus)	
88	Blood group checking kit	
89	Leishman stain	
90	Wbc and rbc diluting fluid	
91	MRS agar	
92	Sabourauds agar	
93	Calcium alginate	
94	Sodium alginate	
95	Calcium Chloride	
96	RPR reagent	
97	RPR antigen suspension	
98	Hydrogen Peroxide	
99	EDTA	
100	Calcium Carbonate	
101	Cobalt Nitrate hexa hydrate	

102	Silver Nitrate	
103	oxalic acid	
104	formalin	
105	trisodium citrate	
106	benzidine hydrochloride	
107	glacial acetic acid	
108	pikovs kay's agar	
109	Chromium oxide	
110	Glutaraldehyde	
111	sucrose	
112	Lactose	
113	Xylose	
114	Melibiose	
115	Raffinose	
116	Sorbitol	
117	Coombs reagent	
118	Anti-human globulin crossmatch	
119	Aflatoxin	
120	PDA agar media	
121	Sabouraud dextrose agar	
<b>GLASSWARES</b>		
1	petriplates	100
2	Glass spreader	20
3	Durham's tube	2 box
4	BOD bottles	10
5	Dropper	10
6	Capillary tubes	2box
7	Coupling jar	1
8	Lancet	2 box
9	Pasteur pipette	20
10	Wintrob bulb	20
11	Haemoglobin pipette	20
12	Wintrobe haemocrit tube	20
13	Wbc pipette and rbc pipette	20
14	Whatsmann filter paper 1 and 2	
15	anticoagulant bulb	10

## INSTRUMENT

1	Membrane filter assembly	1
2	butyrometer	5
3	Sahli's hemoglobinometer	10
4	Electrophoresis kit	1
5	Cooling Centrifuge	1
6	heamocytometer	10
7	Thermometer	
8	Nitrocellulose strip	
9	Disposable plastic cards dropper	
10	Rapid immune chromatographic card	
11	Mal card	
12	Anaerobic jar	
13	Magnetic stirrer	
	<b>OTHER</b>	
1	cotton	5 bundle
2	Cellulose paper	1 pack
3	Non-absorbent cotton	