

THE ZAMORIN'S GURUVAYURAPPAN COLLEGE, KOZHIKODE – 14
POST GRADUATE & RESEARCH DEPARTMENT OF BOTANY

Chemicals, Glass wares and laboratory items to be procured under PD account 2020-2021

Chemicals

No	Name of item	Quantity Required
1.	Naphthol	100g x 1
2.	Acetic acid - Glacial	500 ml x2
3.	Agar	500g x 4
4.	Acetone	500ml x 4
5.	Copper Sulphate	500g x1
6.	Dextrose – anhydrous	500g x 2
7.	Formalin	5 litre x 4
8.	Mercuric Chloride	100g x2
9.	Nitric acid	500ml x 2
10.	Paraffin Wax	500ml x 2
11.	Potassium Hydroxide Pellet	500g x 2
12.	Acetocarmine	250 ml x 2
13.	Calcium Chloride	500gx1
14.	DPX	500ml x 2
15.	Sodium acetate	500g x 1
16.	Sucrose	500gx 2
17.	Sodium hydroxide	500g x 2
18.	Starch	500gx1
19.	Sulphuric acid	500 ml x 2
20.	Hydrochloric acid	500ml x 2
21.	DMSO	500ml x 2
22.	Petroleum ether	500 ml x 2
23.	Malt extract	500g x 1
24.	Peptone	500g x2
25.	Congo red	10g x 2
26.	Corn meal agar	250g x1
27.	Pyridoxine-HCl	200g x 1
28.	Agarose	500g x1
29.	Manganese sulphate	250g x1
30.	FeSO ₄	250g x1
31.	Ninhydrin	250g x1
32.	Sodium Potassium tartrate	500g x1
33.	Casein acid hydrolysate	500g x1
34.	2, Propanole	500 ml x 1
35.	Diethyl ether	500ml x 1
36.	Bradford Reagent	100ml x 1
37.	TCA	100g x 1
38.	Phenyl alanine	5g x 1
39.	Acetic unhydride	200ml x 1
40.	Cochicine	100g x 1
41.	Naphthalene ball	1 Kg x 1

42.	Silica gel coarse (self indicating blue)-3-4 mesh	2 kg
43.	2,3,5- Triphenyl Tetrazolium Chloride (TTC)	10g x 2
44.	Ferric chloride	250g x 2
45.	Potassium ferricyanide	100g x 1
46.	DPPH	--
47.	Ascorbic acid	100 g
48.	Carboxy methyl cellulose	100g x 1
49.	Sodium chloride	500g x 1
50.	Ammonium sulphate	100g x 1
51.	Tween-20	25g x 1
52.	HexaDecyl trimethyl ammonium bromide	25g x 1
53.	Poly oxyethanyl – cholesterol sebacate	10g x 1
54.	Czapek dox agar	250 g x 1
55.	Oatmeal agar	250g x 1
56.	Yeast extract	250g x 1
57.	Peptone	250g X 1
58.	Gelatin	100g x 1
59.	Beef extract	250g x 1

Glass wares and miscellaneous items

1	Cotton –absorbent – 100g roll	5 Nos
2	Cotton, Non-absorbent – 100g roll	10 rolls
3	Ocular micrometer	2 Nos
4	Petri Plates (100mm x 15mm)-Borosil autoclavable	100 Nos
5	Conical Flasks- Borosil – autoclavable (250 ml)	20 Nos
6	Glass slides – good quality- (75 x 25mm) 1.3 mm thick	10 boxes
7	Test tubes 15 x 150mm- Borosil-Autoclavable	100 Nos
8	25 x 150mm- Borosil-Autoclavable	50 Nos
9	Screw cap test-tube (15x150mm)-Boroisl-Autoclavable	100 Nos
10	Screw cap Bottles – 250 ml – Borosil-autoclavable	10 Nos
11	Screw cap Bottles – 500 ml – Borosil-autoclavable	10 Nos
12	Screw cap Bottles – 1000 ml – Borosil-autoclavable	10 Nos
13	Needles – for laboratory use	100 Nos
14	Brush – No.2	100 Nos
15	Digital pH meter – pen type	2 Nos
16	Chromatography paper- whatman	20 sheets
17	Glass cleaning detergent – concentrated	5 Litres
18	Paraffin role	2 roles
19	Bunsen Burner	2 Nos
20	Cavity slides	3 packets`
21	Spirit Lamp - metal	10 Nos

Permanent slides

Fungi		
1	Cercospora	1
2	Colletotrichum	1
3	Allomyces	1
4	Albugo	1
5	Pythium	1
Bryophytes		
1	Anthoceros sporophyte- LS	1
2	Funaria – Capsule – LS	1
Fossil Slides		
1	Glossopteris	1
2	Gangamopteris	1
3	Pentoxylon stem	1
4	Cordaitea – leaf	1
Pteridophytes		
1	Equisetum cone LS	1
2	Selaginella strobilus – LS	1
3	Psilotum synangium TS	1
4	Pteris sporophyll – TS	1
Embryology		
1	Campylotropous ovule	1
2	Hemi-anatropous ovule	1

(Dr. Rajan. PP)
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