

LIST OF CHEMICALS AND GLASSWARE REQUIRED IN BIOTECHNOLOGY LAB FOR THE YEAR 2021- 2022

CHEMICAL LIST:-

SL NO	ITEM	BRAND	QUANTITY
1	Tris hydroxyl methyl hydrochloride	NICE	200 gm
2	EDTA	MERCK	100gm
3	Glucose	NICE	500gm
4	Sodium hydroxide	NICE	500gm
5	Hydrochloric acid	NICE	500ml
6	Restriction digestion kit	Genei	20 experiments
7	Restriction digestion kit	Genei	5 experiments
8	Glacial acetic acid	NICE	500mlx 3
9	Ethyl alcohol	NICE	500mlx2
10	Ethidium bromide	MERCK	25gm
11	Agarose	MERCK	25gm
12	Bromophenol blue	MERCK	25gm
13	Folin-ciocalteau reagent	NICE	100ml
14	Coomassie Brilliant Blue	MERCK	100ml
15	Orthophosphoric acid	NICE	250gm
16	Petroleum ether	NICE	500mlx2
17	Chloroform	NICE	500ml x3
18	Acetone	NICE	500mlx3
19	Sulphuric acid	NICE	500ml
20	Mercuric chloride	NICE	200gm
21	Isopropanol	NICE	500ml
22	Methylene blue	NICE	125ml
23	Ferrous ammonium sulphate	NICE	500gm
24	Mercuric sulphate	NICE	200gm
25	Potassium hydroxide	NICE	500gm
26	Manganese sulphate	NICE	500gm
27	Sodium thiosulphate	NICE	500gm
28	Calcium chloride	NICE	500gm
29	Magnesium sulphate	NICE	500gm
30	Ferric chloride	NICE	500gm
31	Potassium dihydrogen phosphate	NICE	500gm
32	Dipotassium hydrogen phosphate	NICE	500gm
33	Disodium hydrogen phosphate	NICE	500gm
34	Ammonium chloride	NICE	500gm
35	Starch	NICE	200gm
36	Agar agar	NICE	200gm
37	Lactose broth	NICE	200gm
38	Potassium chloride	NICE	500gm
39	Nutrient broth	NICE	200gm x2
40	Cotton absorbent		4
41	Cotton non absorbent		4
42	Sodium azide	Nice	100gm

43	Ammonium ferrous sulphate	Nice	200gm
44	Crystal violet	Nice	100ml
45	Saffranin	Nice	100 ml
46	DNA powder	Research lab fine chem industries	10gm
47	Leishman's stain	Nice	100ml
48	Gram's iodine solution	Nice	100 ml
49	Acetocarmine	Nice	100 ml
50	Lactose	Nice	200 gm
51	EMB agar	Nice	100 gm
52	MacConkey agar	Nice	100gm
53	Sodium iodide	Nice	100 gm
54	Ferriin indicator	Nice	100ml

GLASSWARES:

SL NO	ITEM	BRAND	QUANTITY
1	Petriplates	Borosil	10
2	Test Tubes	Borosil	25
3	Cavity Slide	Borosil	25
4	Rbc Pipette	Borosil	10
5	Wash Bottles	Borosil	250ml x 5
6	Boiling tubes	Borosil	55 ml x 30
7	Beaker 500 Ml	Borosil	500 ml x 1
8	Conical Flask	Borosil	250ml x 10
9	BOD Bottels	Borosil	300ml x 15
10	Measuring cylinder	Borosil	10ml x 3
11	Measuring cylinder	Borosil	50ml x 4
12	Measuring cylinder	Borosil	100ml x 5
13	Pipette	Borosil	5 ml x 5
14	Pipette	Borosil	10ml x 5
15	Pipette	Borosil	1ml x 5
16	Pipette	Borosil	2ml x 5
17	Volumetric flask	Borosil	50ml x 1
18	Coverslips- square	Borosil	4 pack
19	Micropipette		100-1000 ul
21	Micropipette		20- 200 ul
22	Micropipette		2- 20 ul
23	Micropipette Tips		1ml tips & 500ul tips
24	Micropipette Tip boxes		5
25	Scalpel (stainless steel)		5
26	Forceps (stainless steel)		Medium 5, big-5
27	Spatula (stainless steel) microspatula,spoon type		5
28	Test tube racks- stainless steel (For 27 ml tubes)		10