

स्वामी विवेकानंद
महाविद्यालय
उदगीर जि. लातूर.



Swami Vivekanand
Mahavidyalaya,
Udgir Dist. Latur

Govt. of Maharashtra Recognized & Permanently Affiliated to Swami Ramanand Teerth Marathwada University, Nanded
(Recognized Under Section 2(f) & 12(b) of U.G.C. Act 1956)

Prof. [Dr.] Sudhir Jagtap (M.Sc. M.Phil.Ph.D.)
Founder & President

Rcf. No.SVMU/

Department of Life Science

Date :

List of Equipment's/Instruments

Sr. No.	Name	Quantity
1	Haemocytometer	2
2	Laminar Air Flow (Large)	2
3	Homogenizer	1
4	Autoclave	3
5	Colorimeter	3
6	Spectrophotometer	1
7	Biospectrophotometer	1
8	pH Meter	1
9	Digital pH Meter	4
10	Centrifuge	2
11	Cooling Centrifuge	1
12	Hot Plate	1
13	Refrigerator	2
14	Conductivity Meter	1
15	Digital Colony Counter	1
16	Hot Air Oven	1
17	Incubator	3
18	Orbital Shaking Incubator	1
19	Waterbath Incubator Shaker	1
20	Magnetic Stirrer	1
21	Microscope Trinocular	1
22	Inverted Microscope	1
23	Microscope Travelling	3
24	Microscope	20
25	Deep-Freezer	1
26	BOD Incubator	1
27	Hot Air Oven	1
28	Hot Plate	1
29	PCR Cyclo Mixture	1
30	Gel Rocker	1
31	Weighing Balance	1



List of Glassware's

Sr. No.	Name	SIZE	Quantity
1	Test Tubes	15*125 MM	511
2	Test Tubes	25*200 MM	186
3	Test Tubes	LARGE	78
4	Petriplates	-	161
5	Beaker (Glass)	25 ML	11
6	Beaker (Glass)	50 ML	23
7	Beaker (Glass)	100 ML	15
8	Beaker (Glass)	250 ML	23
9	Beaker (Glass)	500 ML	36
10	Beaker (Glass)	500 ML	6
11	Beaker (Glass)	1000 ML	5
12	Beaker (Glass)	1000 ML	3
13	Beaker(Plastic)	25 ML	-
14	Beaker(Plastic)	50 ML	-
15	Beaker(Plastic)	100 ML	2
16	Beaker(Plastic)	250 ML	1
17	Beaker(Plastic)	500 ML	2
18	Beaker(Plastic)	1000 ML	5
19	Burette (Glass)	25 ML	19
20	Centrifuge Tubes	15 ML	15
21	Centrifuge Tubes	25 ML	25
22	Pipette(Glass)	0.01 ML	20
23	Pipette(Glass)	0.1 ML	4
24	Pipette(Glass)	0.2 ML	9
25	Pipette(Glass)	1 ML	1
26	Pipette(Glass)	2 ML	2
27	Pipette(Glass)	5 ML	20
28	Pipette(Glass)	10 ML	11
29	Pipette(Glass)	25 ML	12
30	Pipette(Glass)	50 ML	2
31	Conical Flask	25 ML	10
32	Conical Flask	50 ML	20
33	Conical Flask	100 ML	44
34	Conical Flask	250 ML	18
35	Conical Flask	500 ML	27
36	Conical Flask	1000 ML	22
37	Test Tube Stand	PLASTIC	4



38	Test Tube Stand	GLASS	10
39	Test Tube Stand	WOODEN	0
40	Volumetric Flask	25 ML	21
41	Volumetric Flask	50 ML	10
42	Volumetric Flask	500 ML	6
43	Volumetric Flask	1000 ML	12
44	S.F.Globe Glass	25 ML	2
45	S.F.Globe Glass	250 ML	4
46	S.F.Globe Glass	500 ML	3
47	Volumetric Pipette	1 ML	7
48	Volumetric Pipette	5 ML	10
49	Volumetric Pipette	10 ML	2
50	Reagent Bottle	25 ML	7
51	Regent Bottle	125 ML	10
52	Reagent Bottle	250 ML	1
53	Reagent Bottle	500 ML	4
54	Measuring Cylinder	100 ML	4
55	Measuring Cylinder	500 ML	1
56	Dilution Bottle	25 ML	22
57	Micrometers	-	10
58	Glass Plates	-	28
59	Nichrome Loop D-3	3 MM	32
60	Micropipette	5-50 MICRON	2
61	Micropipette	10-100 MICRON	4
62	Separating Funnel	PLASTIC	2
63	Plier	WOODEN	10
64	Burette Stand	METAL	5
65	Burette Stand	--	13
66	Spreader (Glass)	MEDIUM	5
67	Spreader (Glass)	PLASTIC	25
68	Plastic Pump	-	4



List of Chemicals and Reagents

Sr. No.	Chemical Name	Quantity
1.	Aluminium ammonium sulphate	500 gms
2.	Aluminium oxide (active neutral)	100 gms
3.	Ammonium acetate	500 gms
4.	Ammonium carbonate	500 gms
5.	Ammonium chloride	500 gms
6.	Ammonium dihydrogen orthophosphate	500 gms
7.	Ammonium ferric sulphate	500 gms
8.	Ammonium ferrous sulphate	500 gms
9.	Ammonium formate	500 gms
10.	Ammonium purpurate	500 gms
11.	Ammonium oxalate purified	500 gms
12.	Ammonium phosphate dibasic	500 gms
13.	4-Aminoantipyrine (99%)	100 gms
14.	Auramine standard	1 gm
15.	Antifoam Emulsion	100 gms
16.	1-Amino-4-sulphonic acid	500 gms
17.	Barbituric acid	500 gms
18.	Barium chloride	500 gms
19.	Barium hydroxide	500 gms
20.	Benzoic acid	500 gms
21.	Boric acid	500 gms
22.	Bromocresol green	100 gms
23.	Bromate standard	50 gms
24.	Calcium carbonate	500 gms
25.	Calcium chloride	500 gms
26.	Chloroacetic acid	500 gms
27.	Citric acid	500 gms
28.	Cupric sulphate	500 gms
29.	Calcium carbide	500 gms
30.	Calcium hydroxide	500 gms
31.	Chloramine- trihydrate 99%	50 gms
32.	C18 silica powder 10 um	500 gms
33.	Cis bixin	10 gms
34.	Ciprofloxacin	10 gms
35.	Carboxy methyl cellulose	100 gms
36.	Cobalt sulphate	500 gms



37.	Diphenyl carbazide	500 gms
38.	Di sodium hydrogen orthophosphate	500 gms
39.	2,1 Dichloroflurescein	100 gms
40.	4-(1-Methylamino) benzaldehyde	100 gms
41.	4-Dimethylaminobaenzaldehyde for synthesis	100 gms
42.	Disodium tartrate	500 gms
43.	Borax (di-sodium tetraborate)	500 gms
44.	Dioctyl sodium sulphosuccinate	500 gms
45.	Activated charcoal	500 gms
46.	Diastase from Aspergillus	100 gms
47.	Dextrose anhydrous	500 gms
48.	Eosin	10 gms
49.	Ethylene diamine tetra acetic acid	500 gms
50.	Fast green FCF	25 gms
51.	Ferric chloride anhydrous	500 gms
52.	Fluoride standard	1 gm
53.	Ferric citrate	500 gms
54.	Gelatin powder	500 gms
55.	Guaiacol	100 gms
56.	Gamma Oryzanol	1 gm
57.	8-Hydroxyquinoline	100 gms
58.	Hydroxynaphthol blue	100 gms
59.	Hydrazine sulphate	100 gms
60.	Hexane sulphonic acid sodium	500 gms
61.	Hydroxynaphthol blue	25 gms
62.	Hydroxylamine hydrochloride	100 gms
63.	Iodine	100 gms
64.	Iron (II) sulphate heptahydrate	500 gms
65.	Iron (III) chloride anhydrous	500 gms
66.	Indoxyl acetate	100 gms
67.	L- Tryptophan	500 gms
68.	L(+)-Tartaric acid	500 gms
69.	Lactose	500 gms
70.	Lead (III) acetate trihydrate	500 gms
71.	Lead carbonate 99%	500 gms
72.	Selenium dioxide	500 gms
73.	Magnesium chloride	500 gms
74.	Magnesium sulphate	500 gms
75.	Methyl orange	100 gms
76.	Methyl red	100 gms
77.	Methyl blue	100 gms
78.	Mercuric oxide red	250 gms
79.	Mercury (II) iodide red	250 gms
80.	Metanil yellow	100 gms
81.	Methyl 4 hydroxybenzoate	500 gms



82.	Mercuric sulphate	500 gms
83.	Mercuric chloride	100 gms
84.	Meso erythritol	100 gms
85.	Ninhydrin	100 gms
86.	N-1-Naphthyl ethylene diamine dihydrochloride	250 gms
87.	2-Nitrobenzaldehyde	250 gms
88.	Neotame	100 gms
89.	N, N, Dimethyl-1,4 phenylenediamine	5 gms
90.	N-1-Naphthyl ethylene diamine	25 gms
91.	N, N diethyl p-phenylenediamine	50 gms
92.	Orange-G stain	100 gms
93.	Oxalic acid	500 gms
94.	Oxytetracycline hydrochloride	100 gms
95.	Phenolphthalein	100 gms
96.	Phloroglucinol	100 gms
97.	Picric acid	100 gms
98.	Potassium bromide (99.5%)	500 gms
99.	Potassium chromate	500 gms
100.	Potassium dihydrogen orthophosphate	500 gms
101.	Potassium ferrocyanide 98.5%	500 gms
102.	Potassium hydroxide pellets	500 gms
103.	Potassium iodate	500 gms
104.	Potassium oxalate	500 gms
105.	Potassium permanganate	500 gms
106.	Potassium sodium tartrate	500 gms
107.	Potassium ferrocyanide	500 gms
108.	Potassium sulphate	500 gms
109.	p- Rosalic acid	500 gms
110.	p-Toluidine pure	500 gms
111.	Potassium chloride	500 gms
112.	Phenol (hydroxy benzene)	500 gms
113.	Potassium thiocyanate	500 gms
114.	Potassium lactate solution	500 ml
115.	Phenol crystals	500 gms
116.	Phosphorus pentoxide	500 gms
117.	Pyrrolidine	500 gms
118.	Potassium dihydro orthophosphate	500 gms
119.	Potassium persulphate	500 gms
120.	Rhodamine B for microscopy	100 gms
121.	Silica gel (60-120) mesh	2 × 500 gms
122.	Sodium acetate	500 gms
123.	Sodium carbonate	500 gms
124.	Sodium chloride	500 gms
125.	Sodium hydrogen carbonate	500 gms
126.	Sodium hydroxide pellets	2 × 500 gms



127.	Sodium molybdate dihydrate 99%	500 gms
128.	Sodium nitrite	500 gms
129.	Sodium phosphate monobasic dihydrate	500 gms
130.	Sodium sulphite	500 gms
131.	Sodium sulphite anhydrous	500 gms
132.	Sodium thiosulphate	500 gms
133.	Sodium arsenite 98%	500 gms
134.	Sorbic acid	100 gms
135.	Stannous chloride	500 gms
136.	Starch soluble	500 gms
137.	Sudan Dye III	100 gms
138.	Sulphanilamide 99%	500 gms
139.	Sulphur powder	500 gms
140.	Silver nitrate	100 gms
141.	Silica gel pore size (60A 70-230 mesh)	2 × 500 gms
142.	Silica gel (Coarse)	2 × 500 gms
143.	Silica gel	2 × 500 gms
144.	Sodium lauryl sulphate	500 gms
145.	Sodium thiosulfate pentahydrate	500 gms
146.	Sulphanilic acid	500 gms
147.	Sodium tungstate dinarydrate 98%	100 gms
148.	Sodium diethyldithio carbamate trihydrate	100 gms
149.	Sodium propionate 99.0%	100 gms
150.	Sodium perchlorate	100 gms
151.	Sodium hydroxide pellets	500 gms
152.	Sodium metasilicate	100 gms
153.	Tetrabutylammonium hydrogen sulphate	100 gms
154.	Trisodium citrate	250 gms
155.	Trisodium phosphate	250 gms
156.	Tartaric acid	500 gms
157.	Toluene	2 × 500 gms
158.	Urea	500 gms
159.	Uric acid	250 gms
160.	Zinc acetate	500 gms
161.	Zinc metal	500 gms
162.	Zinc oxide	500 gms
163.	Zinc heptahydrate sulphate	500 gms



List of media

Sr. No.	Name of media
1.	Acetate Agar
2.	Agar Agar
3.	Ashby's Mannitol Agar
4.	Bile salts agar
5.	Bismuth Sulphite Agar
6.	Blood agar
7.	Bovine SerumAlbumin
8.	Brain Heart Infusion Broth
9.	Brilliant green agar
10.	Brilliant Green Lactose Bile Broth (BGLB)
11.	Buffered Peptone Water
12.	Cetrimide agar
13.	Casein Hydrolysate
14.	Cooked Meat Salt Medium
15.	Czapek Yeast (Autolysate) CYA agar
16.	D-Biotin
17.	Deoxycholate Citrate Agar Medium
18.	Dextrose Tryptone Agar
19.	DNA Sodium Salt
20.	Gelatin agar
21.	Lactose Broth
22.	Levine Eosin-Methylene Blue Agar (L- EMB Agar)
23.	Luria Broth
24.	Manitol Salt Agar
25.	MacConkey broth/agar
26.	MacConkey broth/agar (Neutral Red)
27.	Methyl Red Voges Proskauer (MR-VP) (Glucose
28.	Muller Hinton Broth
29.	Phosphate Broth
30.	Nitrate Broth
31.	Nutrient Agar
32.	Nutrient Broth
33.	Peptone
34.	Peptone Water
35.	Potato Dextrose Agar (PDA)
36.	Potato Dextrose Broth (PDB)
37.	RNA
38.	Soyabean Casein Digest Agar
39.	Sulphite Agar
40.	Thioglycollate Agar
41.	Thiosulfate-Citrate-Bile Salts-Sucrose Agar (TCBS)
42.	Tryptone Broth
43.	Tryptone Glucose Extract Agar
44.	Urea Broth
45.	Xylose Lysine Deoxycholate Agar (XLD)
46.	Yeast Extract Powder



Reagents /Staining Kits/ Antibiotics/ Immunodiagnostic kits

Sr. No.	Name	Quantity
1.	Albert's Stains Kit	01
2.	Acid Fast Stains Kit (ZN Fast Stain Kit)	01
3.	Adenine	5 gm x 1
4.	Antibiotic Medium No.1 (Seed Agar)	500 gm x 1
5.	Chlroamphenicol	5 gm x 1
6.	Congo Red	25 gm x 1
7.	Capsul Stains Kit	5 gm x 1
8.	"3,5-Dinitrosalicylic Acid	25 gm x 2
9.	Esculin	5 gm x 1
10.	Inulin AR	25gm x 1
11.	Fouchet Reagent	125 ml x 1
12.	Grams Stain Kit	01
13.	LactophenolCotten Blue	500 ml x 1
14.	ABD Blood Group	02
15.	RA TEST	01
16.	Widal Test	03
17.	VDRL	02
18.	RPR	01
19.	Gene Cloning Teaching Kit 5 PR Plasmid DNA	01
20.	DNA Molecular Size Determination 10 PR	01
21.	DNA Fingarprinting/RFLP Teaching Kit.	01
22.	RAPD application 5 PR	02
23.	PCR Teaching Kit 10 PR	01
24.	Restriction Mapping 5 pr	02
25.	Agarose gel electrophoresis 10 PR	01
26.	Bacterial Transformation 10 PR	02
27.	Bacterial Conjugation 5 PR	01
28.	Bacterial Transduction 5 PR	01
29.	Preparation Of Helper Phage& Its Titration - Phage Titration Kit	01
30.	Radial Immunodiffusion& Double diffusion-Radial Immunodiffusion Teaching Kit	01
31.	HIV TRI DOT Kit	10 test Kit X 1
32.	Amoxicillin Pawder	1gm
33.	Ampicillin Pawder(Sodium Salt)	1gm
34.	TetracyclinPawder (Hydrochloride)	5gm
35.	chloramphenicol Pawder	5gm
36.	Ciprofloxacin Pawder (Hydrochloride)	1gm
37.	Streptomycin Sulphate	5gm



List of Solvents and acids

Sr.no.	Name of the solvent	Quantity
1.	Acetone	5 x 500 ml
2.	Aniline	1 x 500 ml
3.	Acetic acid	2 x 500 ml
4.	Amyl alcohol	2 x 500 ml
5.	Acetonitrile	5 x 500 ml
6.	Benzene (crystalizable)	3 x 500 ml
7.	Bromine water	3 x 100 ml
8.	Butan-1-ol	3 x 500 ml
9.	Boron trifluoride methanol complex	3 x 100 ml
10.	Bromine for analysis	1 x 100 ml
11.	Carbon disulfide	3 x 500 ml
12.	Chloroform	3 x 500 ml
13.	Carbon tetrachloride	5 x 500 ml
14.	Castor oil	1 x 500 ml
15.	Chloral hydrate	1 x 100 ml
16.	Dichloromethane	2 x 500 ml
17.	Dimethyl ether	5 x 500 ml
18.	Diethylene glycol	1 x 500 ml
19.	Dimethyl sulphoxide	1 x 500 ml
20.	Dibromopropane	1 x 500 ml
21.	Ethanol (absolute)	10 x 500 ml
22.	Ethyl acetate	3 x 500 ml
23.	Furfuraldehyde	1 x 500 ml
24.	Formaldehyde solution	3 x 500 ml
25.	Formic acid (85%)	1 x 500 ml
26.	Furfural	1 x 500 ml
27.	Glycerol	3 x 500 ml
28.	Hexane	5 x 500 ml
29.	Hydrofluoric acid	5 x 1 litre
30.	Hydrogen peroxide	500 ml
31.	Hydrochloric acid	5 x 1 litre
32.	HPLC grade water	10 x 500 ml
33.	Hydrogen peroxide (30%)	500 ml
34.	Isobutanol	5 x 500 ml
35.	Liquid ammonia	3 x 500 ml
36.	Methanol	5 x 500 ml
37.	Methyl -tert -butyl ether	1 x 500 ml
38.	n-Butanol	5 x 500 ml
39.	n- Heptane	5 x 500 ml
40.	Nitric acid 65%	5 x 500 ml
41.	Orthophosphoric acid	2 x 500 ml



42.	Olive oil	1 x 500 ml
43.	Petroleum ether (40-60°)	10 x 25 litre
44.	Petroleum Ether (60-80°)	10 x 25 litre
45.	Propan 2-ol	5 x 500 ml
46.	Pafaffin	2 x 500 ml
47.	Pyridine	2 x 500 ml
48.	Sulphuric acid	5 x 2.5 litre
49.	Silicone oil	1 x 500 ml
50.	Silicone	1 x 500 ml
51.	Sesame oil	1 x 500 ml
52.	Tri-fluoracetic acid	1 x 500 ml
53.	Toluene	5 x 1 litre
54.	Triethylamine	1 x 500 ml
55.	Tetrachloroethylene	1 x 500 ml
56.	Xylene	5 x 500 ml

Swami Vivekanand

Principal
Swami Vivekanand
Mahavidyalaya, Udgir

