

Mrs. K. S. K. College, Beed.
Department of Microbiology
List of Requirements
MSME IDEA Hackathon 4.0
IDEA MH018694

Sr.No.	Particulars	Quantity
1.	(BSA – Bovine Serum Albumin)	5gm
2.	1,10-Phenanthroline monohydrate	1gm
3.	ABO blood grouping kit	1 kit
4.	Acetic Acid	500ml
5.	Acetone	500ml
6.	Acrylamide	250gm
7.	Actinomycetes isolation Agar	500gm
8.	Activated charcoal	1kg
9.	Agar agar	500gm
10.	Agarose	100gm
11.	Albert stain A and B kit	250ml
12.	Ammonium chloride	500gm
13.	Ammonium molybdate	100gm
14.	Ammonium sulfate	500gm
15.	Aniline	500gm
16.	Antibiotic disc Amikacin (AK)	1
17.	Antibiotic disc Ampicillin (AMP)	1
18.	Antibiotic disc Chloramphenicol (C)	1
19.	Antibiotic disc Ciprofloxacin (CIP)	1
20.	Antibiotic disc Gentamicin (GEN)	1
21.	Antibiotic disc Rifampicin (RIF)	1
22.	Antibiotic disc Streptomycin (S)	1
23.	Antibiotic disc Tetracycline (TE)	1
24.	APS (ammonium persulfate)	200gm
25.	Ascorbic acid	100gm
26.	Baird-Parker Agar	500gm
27.	Barium chloride (BaCl ₂)	500gm
28.	Barium sulphate	500gm
29.	Beef extract	200gm
30.	Benedict's quantitative reagent	
31.	Bile salt	100gm
32.	BioEra Bacterial Conjugation Kit BTK 120965	5 experiment
33.	BioEra Bacterial Transformation Kit BTK 120938	5 experiment
34.	BioEra Immunoelectrophoresis Kit (Combo E) BTK 140903	5 experiments
35.	BioEra Ouchterlony Double Diffusion Kit – Antibody Titration BTK 140908	5 experiments
36.	BioEra Ouchterlony Double Diffusion Kit – Antigen/Antibody Patterns BTK 140907	5 experiments

37.	Biotin	100mg
38.	bisacrylamide	100gm
39.	Boric acid	500gm
40.	BT20 biological indicator	pack of 5
41.	Buffer Tablets	All pH
42.	Butanol	500ml
43.	$\text{Ca}_3(\text{PO}_4)_2$ — Tricalcium phosphate	500gm
44.	Calcium carbonate (CaCO_3)	500gm
45.	Calcium chloride	500gm
46.	Calcium chloride (CaCl_2)	500gm
47.	Calcium chloride ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$)	500gm
48.	Chikungunya Rapid Test Kit	1
49.	chloroform,	500ml
50.	Chromatography paper	
51.	Cider wood oil	50ml
52.	Citric Acid	250gm
53.	Citric acid (anhydrous)	
54.	Coomassie Brilliant Blue	100gm
55.	Copper sulfate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	100gm
56.	DEAE-cellulose	200gm
57.	Dengue Combo Rapid Test Kit	1
58.	Dextrose	500gm
59.	Dialysis membrane pack of 5	3
60.	Diastase	200gm
61.	Diphenylamine	100gm
62.	Dipotassium hydrogen phosphate (K_2HPO_4)	500gm
63.	DNS (3,5-dinitrosalicylic acid)	200gm
64.	DMSO solvent	500ml
65.	EDTA	500gm
66.	EMB Agar	500gm
67.	Ethanol	500ml
68.	ethidium bromide	5gm
69.	Ethyl acetate	5 lit (2)
70.	Ferric chloride	200gm
71.	Ferroun indicator	250ml
72.	ferrous sulfate (FeSO_4)	200gm
73.	Folin-Ciocalteu reagent	01
74.	GeNei Restriction Digestion Teaching Kit	5 experiments
75.	Giemsa stain	01
76.	Glacial acetic acid	500ml
77.	Glutaraldehyde	500ml
78.	Glycerol	500ml
79.	Glycine (LR)	200gm
80.	HCl	500ml
81.	HgSO_4 (mercuric sulfate)	100gm

82.	HiMedia HiAssorted™ Biochemical Test Kits — ready-to-use/standardized biochemical test systems covering tests such as indole, MR, VP, citrate, urease, nitrate reduction and carbohydrate utilization.	
83.	Hydrogen peroxide (H ₂ O ₂)	200ml
84.	Hydroxylamine hydrochloride (NH ₂ OH·HCl)	100gm
85.	isoamyl alcohol	500ml
86.	isopropanol	500ml
87.	Kovac's reagent	01
88.	Lactophenol Cotton Blue (LPCB) stain	01
89.	LB agar	500gm
90.	LB broth	500gm
91.	Leishman's stain	
92.	Lowry reagent	
93.	Lysozyme	1gm
94.	MacConkey Agar	500gm
95.	MacConkey Broth	500gm
96.	Magnesium sulfate (MgSO ₄ ·7H ₂ O)	200gm
97.	Malate (malic acid)	500gm
98.	manganese sulfate	100gm
99.	Mannitol	500gm
100.	Mannitol salt agar	200gm
101.	mercuric sulfate	250gm
102.	Methanol	500ml
103.	Methylene blue	100gm
104.	MRS broth	500gm
105.	Mueller-Hinton agar	500gm
106.	Mueller-Hinton broth	500gm
107.	Na ₂ HPO ₄ (disodium hydrogen phosphate)	500gm
108.	NaCl	500gm
109.	N-Allylthiourea	10gm
110.	n-Butanol	500ml
111.	Nessler's reagent	200ml
112.	Ninhydrin	100gm
113.	Nutrient Agar	500gm
114.	Nutrient broth	
115.	Octa Disc – Gram-negative panel	
116.	Octa Disc – Gram-positive panel	
117.	Octa Disc – mixed/general panel	
118.	Octa Disc – UTI associated pathogens	
119.	Octa Disc / 8-antibiotic susceptibility disc (for 150mm)	
120.	ONPG (o-nitrophenyl-β-D-galactopyranoside)	100mg
121.	Orcinol	5gm
122.	Paraffin wax	1kg
123.	Peptone	500gm

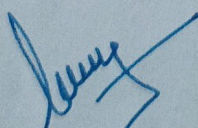
124.	Phenol Crystal	500gm
125.	Phenol solution	500ml
126.	Phenolphthalein indicator	100ml
127.	Phosphoric acid	200gm
128.	Phthalic acid	200gm
129.	Plasmid DNA Miniprep Kit	01
130.	Polyvinylpyrrolidone (PVP)(10/40)	100gm
131.	Potassium antimonyl tartrate	500gm
132.	Potassium bromide (KBr)	100gm
133.	Potassium dichromate	500gm
134.	potassium iodide, CAS 7681-11-0	50gm
135.	Potassium permanganate (KMnO ₄)	500gm
136.	Potassium sulfate (K ₂ SO ₄)	500gm
137.	Restriction Digestion of DNA kit	5experiments
138.	RNA from yeast, analytical/laboratory grade	1 pack
139.	Sabouraud Dextrose Agar (SDA)	
140.	SDS (sodium dodecyl sulfate)	500gm
141.	Sephadex	500gm
142.	Sepharose gel	500gm
143.	Silica gel	500gm
144.	Silver Sulfate (Ag ₂ SO ₄)	500gm
145.	Simmons Citrate Agar	500gm
146.	Sodium acetate (anhydrous)	500gm
147.	Sodium alginate	500gm
148.	Sodium bicarbonate (NaHCO ₃)	500gm
149.	Sodium carbonate	500gm
150.	Sodium chloride (NaCl)	500gm
151.	Sodium glycerophosphate	
152.	Sodium hydroxide	
153.	sodium hypochlorite (5% solution)	500ml
154.	Sodium nitrite (NaNO ₂)	500gm
155.	Sodium potassium tartrate	500gm
156.	Sodium thioglycollate	
157.	sodium thiosulfate	500gm
158.	Standard amino acid kit	
159.	Starch casein broth	500gm
160.	Sucrose	500gm
161.	Sudan Black B	
162.	Sulfuric acid	
163.	SYBR Safe	
164.	syringe filters (0.22/0.45 µm/ nylon)	Pack of 100
165.	TEMED	
166.	TLC plate	
167.	Tributyrin (Glycerol tributyrate)	100gm

168.	Triple Sugar Iron (TSI) Agar	500gm
169.	Tris(hydroxymethyl)aminomethane	
170.	Tris-HCl	
171.	Trisodium citrate	500gm
172.	Tryptic Soy Agar	500gm
173.	Tryptic Soy Broth	500gm
174.	tryptone	500gm
175.	Urea	100gm
176.	Whatman No. 1	
177.	Widal Slide Test Kit, 4 × 5 mL, 100 tests	2 kit
178.	Wilson and Blair's Medium	500gm
179.	Yeast extract	500gm
180.	α-naphthol	100gm
181.	Cooked Meat Medium	500gm
182.	Ceric ammonium Nitrate	100gm
183.	SDS-PAGE kit GeNie	01

Glassware instruments

Sr. No.	Particulars	Quantity
1.	Binocular microscope PC based (Advanced)	1 unit
2.	Weighing machine (Precision)	1 unit
3.	Deep refrigerator (-20°C)	1 unit
4.	Distillation unit	1 unit
5.	Laminar Airflow working Hood (LAF)	1 unit
6.	Anaerobic jar	2 unit
7.	Computer	1 unit
8.	High speed wi-fi Jio Fiber Set up	
9.	Color printer	1 unit
10.	Petri plates	100
11.	Test tubes (20ml)	100
12.	Test tubes (30ml)	50
13.	Screw cap tubes (30ml)	100
14.	Gas Cylinder	10 units
15.	UPS Inverter	1 unit
16.	Bunsen Burner	06
17.	Hot air oven digital	01
18.	Spinner (microcentrifuge)	01
19.	pH meter (pen)	01
20.	Micropipette -1ul-5ul & tips	02
21.	Micropipette -5ul-20ul & tips	02
22.	Micropipette -10ul-100ul & tips	02
23.	Micropipette -100ul-1000ul & tips	02

24.	Eppendorf tubes (2ml)	one pack (500)
25.	Volumetric flask (50ml)	12
26.	Volumetric flask 100ml	12
27.	Volumetric flask 200ml	12
28.	Volumetric flask 500ml	06
29.	Magnetic Stirrer with magnetic needles	02
30.	Incubator Shaker with Compressor	01
31.	Incubator	01
32.	Nichrome Wire loop	05
33.	Dissection box	02
34.	Cork n borer (with all diameter range)	10
35.	Antibiotic zone determination Scale	02
36.	Spirit lamp	04
37.	Non-Absorbent Cotton bundle	1kg*5
38.	Aluminum Foil	1
39.	Chromatography Chamber	02
40.	Lint free cloth	
41.	Surgical drum (small)	01


Mentor


Director of Incubation Centre /
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Principal
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