

**List of Additional items to be quoted for empanelment of vendors for setting up microbiology laboratory**

<b>Consumables for Micro-Lab</b>		
<b>S.No</b>	<b>Particulars</b>	<b>Pack Size</b>
1	HiLoop Auto Steriliser	1
2	loop	100
3	Fresh Deodorising Pearls (5X50)	50
4	Metalloop -SS-4 Fixed	4
5	Metalloop -SL Fixed	4
6	ParafilmD M125	1
7	Disposable Masks (pack of 50)	1
8	Disposable Apron (XL), DISPOSABLE	50
9	S.S. Spirit Lamp	1
10	Indicator pH Paper	10
11	Scotch tape	1
12	Water Purification Tablets/Crystle (KMnO4)	500 gm
13	MICRO TIP BOX 10 UL	10000
14	MICRO TIP BOX 200 UL	10000
15	MICRO TIP BOX 1000 UL	10000
16	Plastic Beaker's (50 ml)	12
17	Plastic Beaker's (100 ml)	12
18	Plastic Beaker's (250 ml)	6
19	Test tube Basket	1
20	Funnel holder	2
21	Retort stand	2
22	Distille Water Container-5 liters (White) with Tap	1
23	Wash Bottle (500 ml)-PP	6
24	Test tube	100
25	Indicator tape for Steam Autoclave	1
26	Hi temperature Indicator tape for Dry Oven	1
27	Non absorbent cotton (500 gm)	1
28	Plastic Ice box with Cap ( Mobile Type)	1
29	Ice pack/Ice Bucket Rubber	1
30	Spradder	1
31	Glass Marker ( permanent) Fine Tip, Black	6
32	Petriplates, 90 mm, 10 Shelves	20
33	Disposable bag	50
34	Swab	100
35	Utility tray medium	1
36	Utility tray Big	1
37	UV safety goggle	1
38	Sample container	1
39	Slant rack	1
40	Autoclavable Bag, 15 KG	100

41	Autoclavable Bag, 30 KG	100
42	Falcon Centrifuge Tubes, 15 ml	500
43	Falcon Centrifuge Tubes, 50 ml	500
44	Micro Centrifuge Tubes, 0.5 ml	1000
45	Micro Centrifuge Tubes, 1.5 ml	500
46	Storage rack for 2 ml tubes, cryo box	4
47	Storage rack for 5 ml tubes, cryo box	4
48	Nitril Gloves, medium size	100
49	Nitril Gloves, XL	100
50	Nitril Gloves, XXL	100
51	Head Cover, Disposable	100
52	Shoe Cover, Disposable	100
53	Gloves for Oven	1 Pair
54	Agarose	1
55	filter/absorbant paper	100
56	Parafilm Dispenser	1

<b>Reagents for Micro-Lab</b>		
<b>S.No</b>	<b>Solutions/Reagents</b>	<b>Pack Size</b>
1	Bromocresol Purple Indicator	125ml
2	Nitrate Broth	125ml
3	Barritt Reagent A (for VP test)	125ml
4	Mannitol Salt Agar Base	125ml
5	Phenol Red Indicator	125ml
6	L-Tyrosine	125ml
7	Lysozyme	125ml
8	Perfringens Agar Base (T.S.C.)	125ml
9	Lactose Broth	125ml
10	Gelatin, Hi-LR™	125ml
11	Kovacs' Indole Reagent	125ml
12	Buffered Glucose Broth, Granulated (Glucose Phosphate Broth, Granulated) (MR-VP Medium, Granulated)	125ml
14	Formaldehyde sol., 37%	125ml
15	Tryptic Soya Agar	125ml
16	Selenite Cystine Broth Base w/o Biselenite	125ml
17	Malonate Broth	125ml
18	Urea Agar Base (Christensen) (Autoclavable)	125ml
19	Kovacs' Indole Reagent	125ml
20	Lysine Decarboxylase Broth	125ml
21	Methyl Red Indicator	125ml
22	Glucose Agar	125ml
23	Ornithine Decarboxylase Broth	125ml

24	Antibiotic Solution 100X Liquid w/ 10,000U Penicillin, 5mg Streptomycin per ml in 0.9% normal saline	125ml
25	Hydrogen peroxide	125ml
26	Sodium thiosulphate pentahydrate	125ml
27	Ammonium Buffer Solution	125ml
28	Bromothymol Blue Indicator	125ml
29	Adonitol	125ml
30	Arabinose	125ml
31	Maltose monohydrate	125ml
32	Sucrose	125ml
33	Cellobiose	125ml
34	Salicin	125ml
35	Trehalose	125ml
36	Raffinose	125ml
37	Pyridoxal hydrochloride	125ml
38	Methylene Blue (Aqueous)	125ml
39	Eosin, 2% w/v	125ml
40	TTC Solution 1% (10 ml per vial)	125ml
41	Chlortetracycline Selective Supplement	125ml
42	Chloramphenicol	125ml
43	Dulcitol	125ml
44	Thymol Blue Indicator	125ml

<b>Lab Glasswares Micro-Biology Food Lab</b>		
<b>S.No</b>	<b>Particulars</b>	<b>Pack Size</b>
1	Glass Slides, plain, 76/26, 50 Pcs/Pk	1 Pack
2	Cover Slip/Glass, 0.13x0.17 mm Thick, 18x18 mm, 50/Pk	1 Pack
3	Slide Box, 50 Slides/Box, 12Pcs/Pk	1 Pack
4	Test Tubes, 15 ml	1000 No
5	Test Tubes, 30 ml	1000 No
6	Narrow Mouth Bottle (250 ml)	10 No
7	Amber Narrow Mouth Bottle (250 ml)	10 No
8	Aspirator Bottle With Stopcock (10 lit)	1 No
9	Dropping Bottle, 120ml	10 No
10	Durham Tubes, 3 ml (10x75 mm)	100
11	Durham Tubes, 5 ml (12x75 mm)	100
12	Durham Tubes, 15 ml (15x150 mm)	100
13	Petri Dish Glass 100x17 mm	100
14	Screw tube, Plain (15 ml)	100
15	Screw tube, Plain (30 ml)	100
16	Screw tube, Plain (50 ml)	100
17	Tubes Culture Media Amber, Screw Cap, 10 ml	100
18	Tubes Culture Media Amber, Screw Cap, 30 ml	100

Essential Microbial Culture for Microbiology Food Lab		
S.No.	Name of strain/ culture	Qty
1	<i>Escherichia coli</i>	1
2	<i>Staphylococcus aureus</i>	1
3	<i>Salmonella enterica</i>	1
4	<i>Salmonella abony</i>	1
5	<i>Shigella sonnei</i>	1
6	<i>Enterobacter aerogenes</i>	1
7	<i>Candida albicans</i>	1
8	<i>Vibrio cholerae</i>	1
9	<i>Vibrio parahaemolyticus</i>	1
10	<i>Vibrio vulnificus</i>	1
11	<i>Listeria monocytogenes</i>	1
12	<i>Klebsiella pneumoniae</i>	1
13	<i>Bacillus cereus</i>	1
14	<i>Aspergillus niger</i>	1

Essential Equipments-For Microbiology Food Lab		
Sr. No	Product Details	Suggestive Qty.
1	Mini Spin micro Centrifuge	1 Unit
2	Vortex Mixer	1 Unit
3	Electrophoresis Horizontal (Mini)	2 Units
4	Electrophoresis Horizontal (Midi)	2 Units
5	Power Supply	2 Units
6	Transilluminator	1 Unit
7	UV Torch	1 Unit
8	PCR Gradient	1 Unit
9	Handheld Homogenizer (Handheld)	1 Unit

S.No	Accessories SS304	Pack Size
1	Spectula	10 No
2	Test Tube Rack	1 No
3	Petri plate Rack	1 No
4	Jar	1 No
5	Tray	1 No
6	Glove Box(waste container)	1 No
7	Dustbin	1 No
8	Handwash stand	1 No
9	Forcep	6 No
10	Innoculating needle	10 No