
APPENDIX**1. ORGANIC NITRATE BROTH**

Peptone	0.5 gm
Meat extract	0.3 gm
Potassium nitrate	0.1 gm
Distilled water	100 ml
pH	7.0

2. SIM AGAR

Peptone	30.0 gm
Beef extract	3.0 gm
Ferrous ammonium sulphate	0.20 gm
Sodium thiosulphate	0.025 gm
Agar	2.0 gm
Distilled water	1000 ml

3. GLUCOSE NUTRIENT BROTH

Meat extract	3.0 gm
Peptone	5.0 gm
Glucose	10.0 gm
Distilled water	1000 ml
pH	7.0

4. BENNET AGAR

Yeast extract	1.0 gm
Beef extract	1.0 gm
Pancreatic digest of casein	2.0 gm
Dextrose	10.0 gm
Agar	15.0 gm
Distilled water	1000 ml

5. STARCH CASEIN MEDIA

Starch	10.0 gm
Casein	0.3 gm
KNO ₃	2.0 gm
NaCl	2.0 gm
K ₂ PHO ₄	2.0 gm
MgSO ₄ .7H ₂ O	0.05 gm
CaCO ₃	0.02 gm
FeSO ₄ .7H ₂ O	0.01 gm
Agar	9.0 gm
Distilled water	500 ml
pH	7.2

6. ISP-2 (Yeast extract)

Yeast extract	4.0 gm
Malt extract	10.0 gm
Dextrose	4.0 gm
Agar	20.0 gm
Water	1000 ml
pH	7.3

7. ISP-4 (Inorganic salt-starch agar)

Starch	10.0 gm
K ₂ HPO ₄	1.0 gm
NaCl	1.0 gm
Ammonium sulphate	2.0 gm
CaCO ₃	2.0 gm
Trace salt soln.	1ml
Distilled water	500 ml
pH	7.4

TRACE SALT SOLN

FeSO ₄ .7H ₂ O	0.1 gm
MnCl ₂ .H ₂ O	0.1 gm
ZnSO ₄	0.1 gm
Distilled water	100 ml

8. ISP-5 (glycerol-asparagine agar) MEDIUM

L-asparagine(anhydrous)	1.0 gm
Glycerol	10.0 gm
K ₂ PHO ₄	1.0 gm
Trace salt soln.	1.0 ml
Distilled water	1000 ml
pH	7.0-7.4
Agar	20.0 gm

9. ISP-6 (Peptone-yeast extract iron agar)

Peptone	20.0 gm
Ferric ammonium citrate	0.5 gm
K ₂ HPO ₄	1.0 gm
NaS ₂ O ₃ .5H ₂ O(Sodium thio sulphate)	0.08 gm
Yeast extract	1.0 gm
Agar	20.0 gm
Distilled water	1000 ml
pH	7.0

10. ISP-7 MEDIA

L-tyrosine	0.5 gm
Glycerol	15 gm
L-asparagine	1.0 gm
K ₂ HPO ₄ (Anhydrous)	0.5 gm
MgSO ₄ .7H ₂ O	0.5 gm
NaCl	0.5 gm
FeSO ₄ .7H ₂ O	0.5 gm
Trace salt soln	1.0 ml
Distilled water	1000 ml
Agar	20 gm
pH	7.2

11. L.B.BROTH

Tryptone	10.0gm
Yeast extract	5gm
Sodium chloride	5 gm
Distilled Water	1000 ml

12. ALBUMIN MEDIA

Egg albumin	0.25 gm
Glucose	1.0 ml
K ₂ HPO ₄	0.5 gm
MgSO ₄ .7H ₂ O	0.2 gm
1% solution of Fe ₂ (SO ₄) ₃	1 ml
Agar	18.0 gm
pH	7.0

13. YMA (Yeast Malt extract agar)

Yeast extract	4.0 gm
Malt extract	10.0 gm
Glucose	4.0 gm
Agar	18.0 gm
pH	7.3