

1417. MMB MEDIUM

Mineral Salts Solution:

Peptone	0.15	g
Yeast Extract	0.15	g
Ammonium Sulfate	0.25	g
Glucose	1.00	g
Modified Hutner`s Basal Salts Solution (see below)	20.00	ml
Vitamine Solution (see below)	10.00	ml
Distilled Water	1000.00	ml

Vitamine Solution:

Biotin	2.0	mg
Folic Acid	2.0	mg
Thiamine HCl	5.0	mg
D Calcium Panthothenate	5.0	mg
Vitamin B ₁₂	0.1	mg
Riboflavin	5.0	mg
Distilled Water	1000.0	ml

Modified Hutner`s Basal Salts Solution:

Nitritotriacetic Acid	10.00	g
MgSO ₄ x 7H ₂ O	29.70	g
CaCl ₂ x 2H ₂ O	3.34	g
Ammonium Molybdate	9.25	mg
FeSO ₄ x 7H ₂ O	99.00	mg
Metalls 44 (see below)	50.00	ml
Distilled Water	1000.00	ml

Metalls 44:

EDTA	0.250	g
ZnSO ₄ x 7H ₂ O	1.100	g
FeSO ₄ x 7H ₂ O	0.500	g
MnSO ₄ x 7H ₂ O	0.154	g
CuSO ₄ x 5H ₂ O	0.040	g
Co(NO ₃) ₂ x 6H ₂ O	0.025	g
Na ₂ B ₄ O ₇ x 10H ₂ O	0.018	g
Distilled Water	1000.000	ml

Initially add a few drops of H₂SO₄ to the distilled water to retard precipitation. Dissolve the nitritotriacetic acid first and neutralize the solution with KOH. Add other

ingredients and readjust the pH with KOH and/or H₂SO₄ to 7.2. There may be a slight precipitate. The medium may be solidified by adding 15.0 g/l agar.

.