

ATCC Medium: 590 Casamino Acids Medium

Complete Medium

Casamino Acids (BD 223050).....	1.0 g
Glucose.....	1.0 g
Modified Hutner's Basal Salts (see below).....	20.0 ml
Biotin.....	0.02 mg
DI Water.....	1000 ml

Autoclave at 121°C.

Modified Hutner's Basal Salts

Nitrilotriacetic Acid.....	10.0 g
MgSO ₄ x 7H ₂ O.....	29.7 g
CaCl ₂ x 2H ₂ O.....	3.34 g
Ammonium molybdate.....	9.25 mg
FeSO ₄ x 7H ₂ O.....	99.0 mg
Metals "44" (see below).....	50.0 ml
DI Water.....	1000 ml

Dissolve and neutralize the nitrilotriacetic acid with KOH (7.3 g); add the other ingredients and adjust the pH to 6.6 - 6.8 before bringing the volume to 1.0 L with distilled water.

Metals "44"

EDTA.....	0.25 g
ZnSO ₄ x 7H ₂ O.....	1.1 g
FeSO ₄ x 7H ₂ O.....	0.5 g
MnSO ₄ x 7H ₂ O.....	0.154 g
CuSO ₄ x 5H ₂ O.....	0.04 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
DI Water.....	100.0 ml

Initially add a few drops of H₂SO₄ to the distilled water to retard precipitation.