

ATCC medium: 936 Corn steep liquor medium

Glucose.....	60.0 g
Corn steep liquor.....	40.0 g
MgSO ₄ . 7H ₂ O	0.5 g
KH ₂ PO ₄	5.0 g
Fumaric acid.....	1.0 g
Urea.....	8.0 g
Modified Hutner's Basal Salts (see below).....	20.0 ml
Distilled water to.....	1.0 L

Adjust pH to 7.0.

Autoclave at 121C for 15 minutes.

Modified Hutner's Basal Salts:

Nitrilotriacetic acid.....	10.0 g
MgSO ₄ . 7H ₂ O	29.7 g
CaCl ₂ . 2H ₂ O	3.34 g
Ammonium molybdate.....	9.25 mg
FeSO ₄ . 7H ₂ O	99.0 mg
Metals "44" (see below).....	50.0 ml
Distilled water to.....	1.0 L

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 . 7H ₂ O	1.1 g
FeSO ₄ . 7H ₂ O	0.5 g
MnSO ₄ . 7H ₂ O	0.154 g
CuSO ₄ . 5H ₂ O	0.04 g
Co(NO ₃) ₂ . 6H ₂ O.....	0.025 g
Na ₂ B ₄ O ₇ . 10H ₂ O	0.018 g
Distilled water.....	100.0 ml

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