

ATCC medium: 1521 PYGV medium

Peptone, Bacto (BD 211677).....0.25 g
Yeast Extract (BD 212750).....0.25 g
Mineral Salt Solution (see below).....20.0 ml
Agar, Bacto (BD 214050), if needed.....15.0 g
Distilled water.....965.0 ml

Autoclave medium at 121C for 15 minutes. Cool to 50C and aseptically add:

2.5% glucose (filter-sterilized).....10.0 ml
Vitamin Solution (see below).....5.0 ml

Adjust medium to final pH 7.5 with KOH.

Mineral Salt Solution:

Nitritotriacetic acid.....10.0 g
MgSO₄ . 7H₂O29.7 g
CaCl₂ . 2H₂O3.34 g
Na₂MOO₄ . 2H₂O.....12.67 mg
FeSO₄ . 7H₂O99.0 mg
Metals "44" (see below).....50.0 ml
Distilled water to.....1.0 L

Dissolve nitritotriacetic acid by neutralizing with KOH. Add remaining salts and adjust to pH 7.2 with KOH or H₂SO₄.

Vitamin Solution:

Biotin.....4.0 mg
Folic acid.....4.0 mg
Pyridoxine hydrochloride.....20.0 mg
Riboflavin.....10.0 mg
Thiamine . HCl.....10.0 mg
Nicotinamide.....10.0 mg
Calcium D-(+)-pantothenate.....10.0 mg
Cyanocobalamin.....0.2 mg
p-Aminobenzoic acid.....10.0 mg
Distilled water.....1.0 L

Filter-sterilize and store in dark at 5C.

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.