

ATCC medium: 2420 Synthetic complete medium without tryptophan with 100 mM ZnSO₄

Solution A:

Agar.....20.0 g
Distilled water.....600.0 ml

Sterilize Solution A by autoclaving at 121C for 15 minutes.
Cool to approximately 50 C.

Solution B:

Yeast Nitrogen Base w/o Amino Acids.....6.7 g
ZnSO₄.....0.016 g
Glucose.....20.0 g
Adenine.....23.0 mg
L-Alanine.....90.0 mg
L-Arginine.....90.0 mg
L-Asparagine.....90.0 mg
L-Aspartic acid.....90.0 mg
L-Cystine.....90.0 mg
L-Glutamine.....90.0 mg
L-Glutamic acid.....90.0 mg
Glycine.....90.0 mg
L-Histidine.....90.0 mg
i-Inositol.....90.0 mg
L-Isoleucine.....90.0 mg
L-Leucine.....180.0 mg
L-Lysine.....90.0 mg
L-Methionine.....90.0 mg
p-Aminobenzoic acid.....9.0 mg
L-Phenylalanin.....90.0 mg
L-Proline.....90.0 mg
L-Serine.....90.0 mg
L-Threonine.....90.0 mg
L-Tyrosine.....90.0 mg
L-Valine.....90.0 mg
Distilled water.....400.0 ml

Filter-sterilize Solution B and warm to approximately 50 C prior to mixing with Solution A to prevent rapid gelling of agar solution. Aseptically combine Solutions A and B; mix well. Aseptically dispense as required.