

ATCC medium: 906 Pine and Drouhet's *Histoplasma* yeast-phase medium

Solution A:

KH ₂ PO ₄	2.0 g
(NH ₄) ₂ PO ₄	2.0 g
MgSO ₄ . 7H ₂ O	215.0 mg
CaCl ₂	20.0 mg
ZnSO ₄ . 7H ₂ O	12.5 mg
Trace Elements (see below).....	10.0 ml
Vitamin Solution (see below).....	10.0 ml
Hemin.....	2.0 mg
Coenzyme A.....	0.1 mg
Casamino Acids (BD 223050).....	4.0 g
Glucose.....	10.0 g
alpha-Ketoglutaric acid.....	1.0 g
L-Cysteine . HCl.....	1.0 g
Glutathione, reduced.....	0.5 g
L-Asparagine.....	0.1 g
L-Tryptophan.....	20.0 mg
Citric acid.....	10.0 g
Distilled water to.....	500.0 ml

Adjust Solution A to pH 6.5 with KOH and filter-sterilize through a 0.2 um membrane.

Solution B:

Potato starch.....	2.0 g
Oleic acid.....	10.0 mg
Agar.....	12.5 g
Distilled water to.....	500.0 ml

Mix potato starch to a smooth suspension in approximately 300 ml distilled water. Add oleic acid and adjust solution to pH 7.0 with NaOH. Bring volume to 500 ml with additional distilled water. Add agar and heat to boiling to dissolve. Autoclave at 121C for 15 minutes. Cool to approximately 50C.

Complete Medium:

For solid medium:

Equilibrate Solutions A and B to approximately 50C. Aseptically add Solution A to Solution B and mix well. Dispense aseptically while still warm into test tubes and slant.

For liquid medium:

Delete agar from Solution B and reduce concentrations of starch to 0.5 g and oleic acid to 1.0 mg.

Trace Elements:

FeSO₄ . 7H₂O5.7 g
MnCl₂ . 6H₂O0.8 g
Na₂MoO₄ . 2H₂O.....0.15 g
HCl, concentrated.....1.0 ml
Distilled water to.....1.0 L

Vitamin Solution:

i-Inositol.....200.0 mg
Thiamine . HCl.....200.0 mg
Calcium pantothenate.....200.0 mg
Riboflavin.....200.0 mg
Nicotinamide.....100.0 mg
Biotin.....10.0 mg
Thioctic acid.....10.0 mg
Distilled water to.....1.0 L

Suspend vitamins in approximately 700 ml distilled water. Adjust to pH 7.0 with NaOH and bring volume to 1.0 L with additional water.