

ATCC medium: 1417 Low Iron YC medium

Yeast extract.....20.0 g
Casamino acids.....10.0 g
Tryptophan.....50.0 mg
KH₂PO₄5.0 g
CaCl₂.....1.0 g
Distilled water to.....1.0 L

Adjust to pH 7.4. Boil and filter through #40 ashless filter paper.

Add:

Solution 2 (see below).....2.0 ml
Solution 3 (see below).....1.0 ml

Autoclave at 121C for 15 minutes and cool.

Add aseptically:

Solution 4 (see below).....30.0 ml

For solid medium: add 1.0% Agar, Noble (BD 214230) for basal agar

Solution 2:

MgSO₄ . 7H₂O22.5 g
beta Alanine.....115.0 mg
Nicotinic acid.....115.0 mg
Pimelic acid.....7.5 mg
CuSO₄ . 5H₂O0.5 g
ZnSO₄ . 5H₂O0.2 g
MnCl₂ . 4H₂O75.0 mg
HCl (concentrated).....3.0 ml
Distilled water to.....100.0 ml

Solution 3:

L-Cystine.....20.0 g
HCl (concentrated).....20.0 ml
Distilled water to.....100.0 ml

Solution 4:

Maltose.....50.0 g
CaCl₂.....0.5 g
Distilled water to.....100.0 ml

Autoclave at 116C for 10 minutes.