

ATCC medium: 1482 PYG plus 0.1% Tween 80

Tween 80.....1.0 g
Glucose.....10.0 g
Peptone (BD 211677).....5.0 g
Trypticase Peptone (BD 211921).....5.0 g
Yeast extract.....10.0 g
0.025% Resazurin.....4.0 ml
Hemin Solution (see below).....10.0 ml
Salts Solution (see below)..... 40.0 ml
Vitamin K1 Solution (see below).....0.2 ml
L-Cysteine . HCl.....0.5 g
Distilled water.....950.0 ml

Bring medium without cysteine to a boil; add cysteine; adjust medium for a final pH of 7.0; autoclave at 121C for 15 minutes.

Hemin Solution:

Hemin.....50.0 mg
N NaOH.....1.0 ml
Distilled water to.....100.0 ml

Dissolve hemin in NaOH. Add distilled water. Autoclave at 121C for 15 minutes.

Salts Solution:

CaCl₂.....0.2 g
MgSO₄.....0.2 g
K₂HPO₄.....1.0 g
KH₂PO₄.....1.0 g
NaHCO₃.....10.0 g
NaCl.....2.0 g
Distilled water.....1.0 L

Vitamin K1 Solution:

Vitamin K1.....0.15 ml
95% Ethanol.....30.0 ml

Store K1 solution in a brown bottle under refrigeration. Discard solution after 1 month.