

ATCC medium: 1841 Buffered clostridial medium with cellobiose

Yeast extract.....3.0 g
Lab Lemco (Oxoid L29).....10.0 g
Peptone, Bacto (BD 211677).....10.0 g
Dextrose.....5.0 g
Soluble starch.....1.0 g
NaCl.....5.0 g
Sodium acetate.....3.0 g
Cellobiose.....5.0 g
NaHCO₃.....2.75 g
Resazurin.....1.0 mg
Hemin Solution (see below).....10.0 ml
Vitamin K1 Solution (see below)....0.2 ml
L-Cysteine . HCl.....0.5 g
Distilled water.....1.0 L

Dissolve all components except cellobiose, sodium bicarbonate and cysteine in distilled water. Heat to boiling and cool under a mixture of 80% N₂, 10% H₂, 10% CO₂. Add remaining components with reducing agent last. Tube under anaerobic conditions under the same gas phase. Autoclave at 121C for 15 minutes. Final pH 7.0.

Hemin Solution:

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

Autoclave at 121C for 15 minutes.

Vitamin K1 Solution:

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

Store solution in brown bottle under refrigeration. Discard after one month.