ATCC medium: 1761 Modified chopped meat medium (ATCC medium 1490) plus 0.5% arginine

ATCC Medium 1490 (see below) plus 0.5% arginine

ATCC Medium 1490:
Ground beef (fat-free).....500.0 g
Distilled water.....1.0 L
N NaOH.....25.0 ml

Mix meat, water and NaOH and bring to a boil with stirring. Cool to room temperature, skim fat from surface, and filter, retaining both meat particles and filtrate. To filtrate, add sufficient distilled water to restore volume to 1 L.

To this filtrate, add:
Trypticase Peptone (BD 211921)....30.0 g
Yeast extract.....5.0 g
K_2HPO_4 .....5.0 g
0.025% Resazurin.....4.0 ml
Agar (if necessary).....20.0 g

Boil and cool medium under 80% N_2, 10% H_2, 10% CO_2, and add:

L-Cysteine . HCl.....0.5 g
Hemin Solution (see below).....10.0 ml
Vitamin K1 Solution (see below)....0.2 ml

Adjust medium for final pH of 7.0. Anaerobically dispense 7 ml into tubes containing meat particles (1 part meat to 5 parts fluid) under the same gas phase.

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

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

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

Dissolve hemin in NaOH and bring volume to 100 ml with distilled water. Autoclave solution at 121C for 15 minutes and cool.