

ATCC Medium: 2751 Modified Chopped Meat Medium w/ 10mM Maltose

Chopped Meat Broth

Ground beef (fat-free).....500.0 g
Distilled water.....1000 ml
1N NaOH.....25 ml

Mix meat, water and NaOH and bring to a boil with stirring. Simmer for at least 3 hours. Cool to room temperature, skim fat from surface, and filter. To filtrate, add sufficient distilled water to restore volume to 1.0 L.

To this filtrate, add:

Complete Medium

Trypticase Peptone (BD 211921).....30.0 g
Yeast Extract.....5.0 g
K₂HPO₄.....5.0 g
Maltose.....3.42 g
0.025% Resazurin.....4.0 ml
Agar (if necessary).....20.0 g

Boil and cool medium under 80% N₂, 10% H₂, 10% CO₂, 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 7.0. Anaerobically dispense 7 ml into tubes.

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
1N NaOH.....1.0 ml
Distilled water to.....100.0 ml

Autoclave complete medium at 121°C.