

ATCC medium: 1782 *Eubacterium angustum* medium

Trizma Base (Sigma T 1503).....3.0 g
Uric acid.....3.0 g
NH₄Cl0.5 g
MgSO₄ . 7H₂O0.05 g
K₂HPO₄0.1 g
Wolfe's Mineral Solution (see below)....10.0 ml
Selenium Solution (see below).....1.0 ml
Yeast extract.....1.0 g
Resazurin.....1.0 mg
L-Cysteine . HCl.....0.5 g
Na₂S . 9H₂O50.0 mg
NaHCO₃.....5.0 g
Distilled water.....1.0 L

Dissolve uric acid in distilled water and Trizma with heat and stirring. Add remaining ingredients except reducing agents and sodium bicarbonate. Heat to boiling and cool under 80% N₂, 10% CO₂, 10% H₂. Add bicarbonate and reducing agents. Tube anaerobically under same gas phase. Autoclave at 121C for 15 minutes. Final pH 7.9 +/- 0.1.

Wolfe's Mineral Solution:

Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS.)

Nitrilotriacetic acid.....1.5 g
MgSO₄ . 7H₂O3.0 g
MnSO₄ . H₂O0.5 g
NaCl.....1.0 g
FeSO₄ . 7H₂O0.1 g
CoCl₂ . 6H₂O0.1 g
CaCl₂.....0.1 g
ZnSO₄ . 7H₂O0.1 g
CuSO₄ . 5H₂O0.01 g
AlK(SO₄)₂ . 12H₂O.....0.01 g
H₃BO₃0.01 g
Na₂MoO₄ . 2H₂O.....0.01 g
Distilled water.....1.0 L

Add nitrilotriacetic acid to approximately 500 ml of water and adjust to pH 6.5 with KOH to dissolve the compound. Bring volume to 1.0 L with remaining water and add remaining compounds one at a time.

Selenium Solution:

Na₂SeO₃ . 5H₂O.....3.0 mg
0.01M NaOH.....1.0 L

Use 1 ml/L of medium.

