

ATCC medium: 1855 Quinoline medium

K₂HPO₄0.61 g
KH₂PO₄0.39 g
KCl.....0.25 g
Wolfe's Mineral Solution (see below)....10.0 ml
Yeast extract.....0.1 g
Quinoline*.....200.0 mc1
Distilled water.....1.0 L

Autoclave basal medium at 121C for 15 minutes.

*Add quinoline aseptically to cooled, sterile basal medium. Work with this compound in a fume hood. Polyurethane foam media closures are recommended to eliminate odor problems resulting from volatilization of quinoline. The foam serves as a trap for the compound in the vapor phase. Unused medium should be treated for disposal as any other solution containing aromatic organic compounds.

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
CaCl₂0.1 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.