

ATCC medium: 1807 1,4-Butanediol medium

NH ₄ Cl	1.0 g
CaCl ₂ . 2H ₂ O	0.5 g
MgSO ₄ . 7H ₂ O	0.5 g
NaCl.....	1.0 g
NaH ₂ PO ₄ . H ₂ O.....	2.1 g
K ₂ HPO ₄	0.3 g
Yeast extract.....	0.2 g
Modified Wolfe's Minerals (see below)...	10.0 ml
1,4-Butanediol.....	1.0 g
Distilled water.....	1.0 L

Adjust to pH 7.0 with NaOH or HCl. Autoclave at 121C for 15 minutes.

Modified Wolfe's Minerals:

Na ₂ SeO ₃	10.0 mg
NiCl ₂ . 6H ₂ O	10.0 mg
Na ₂ WO ₄ . 2H ₂ O.....	10.0 mg
Wolfe's Mineral Solution (see below).....	1.0 L

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
MgSO ₄ . 7H ₂ O	3.0 g
MnSO ₄ . H ₂ O	0.5 g
NaCl.....	1.0 g
FeSO ₄ . 7H ₂ O	0.1 g
CoCl ₂ . 6H ₂ O	0.1 g
CaCl ₂	0.1 g
ZnSO ₄ . 7H ₂ O	0.1 g
CuSO ₄ . 5H ₂ O	0.01 g
AlK(SO ₄) ₂ . 12H ₂ O.....	0.01 g
H ₃ BO ₃	0.01 g
Na ₂ MoO ₄ . 2H ₂ O.....	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.

