

ATCC medium: 1050 *Aquaspirillum* autotrophic medium

Na₂HPO₄ . 12H₂O.....9.0 g
KH₂PO₄1.5 g
MgSO₄ . 7H₂O0.2 g
NH₄Cl.....1.0 g
Ferric ammonium citrate.....5.0 mg
CaCl₂ . 2H₂O0.01 g
Trace Elements Solution (see below).....3.0 ml
Agar, Noble (BD 214230) (if needed).....15.0 g
Distilled water.....1.0 L

Adjust final pH to 7.1. Autoclave at 121C for 15 minutes.

Trace Elements Solution:

ZnSO₄ . 7H₂O10.0 mg
MnCl₂ . 4H₂O3.0 mg
H₃BO₃30.0 mg
CoCl₂ . 6H₂O20.0 mg
CuCl₂ . 2H₂O1.0 mg
NiCl₂ . 6H₂O2.0 mg
Na₂MoO₄ . 2H₂O.....3.0 mg
Distilled water.....1.0 L

For autotrophic growth add 0.5 g/L of NaHCO₃; grow under 5% O₂, 10% CO₂, 85% H₂. For heterotrophic growth add 1.0 g/L succinate.