

ATCC medium: 1618 Heterotrophic medium for hydrogen-oxidizing bacteria

Solution A:

Na₂HPO₄ · 12H₂O.....9.0 g
KH₂PO₄1.5 g
NH₄Cl1.0 g
MgSO₄ · 7H₂O0.2 g
Trace Elements Solution SL-6 (see below).....1.0 ml
Agar, Noble (BD 214230) (if needed).....17.0 g
Distilled water.....900.0 ml

Solution B:

Ferric ammonium citrate.....5.0 mg
CaCl₂ · 2H₂O10.0 mg
Distilled water.....10.0 ml

Solution C:

3-Hydroxybutyrate (sodium salt)....2.0 g
Distilled water.....100.0 ml

Autoclave Solutions A and B at 121C. Filter-sterilize Solution C.
Combine Solutions A, B and C aseptically after sterilization.

Trace Elements Solution SL-6:

ZnSO₄ · 7H₂O0.10 g
MnCl₂ · 4H₂O0.03 g
H₃BO₃0.3 g
CoCl₂ · 6H₂O0.2 g
CuCl₂ · 2H₂O0.01 g
NiCl₂ · 6H₂O0.02 g
Na₂MoO₄ · 2H₂O.....0.03 g
Distilled water.....1.0 L

Adjust final pH of Trace Elements Solution SL-6 to 3.4.