

ATCC medium: 1618 Heterotrophic medium for hydrogen-oxidizing bacteria

Solution A:

Na ₂ HPO ₄ . 12H ₂ O.....	9.0 g
KH ₂ PO ₄	1.5 g
NH ₄ Cl	1.0 g
MgSO ₄ . 7H ₂ O	0.2 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
CaCl ₂ . 2H ₂ O	10.0 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:

ZnSO ₄ . 7H ₂ O	0.10 g
MnCl ₂ . 4H ₂ O	0.03 g
H ₃ BO ₃	0.3 g
CoCl ₂ . 6H ₂ O	0.2 g
CuCl ₂ . 2H ₂ O	0.01 g
NiCl ₂ . 6H ₂ O	0.02 g
Na ₂ MoO ₄ . 2H ₂ O.....	0.03 g
Distilled water.....	1.0 L

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