

ATCC medium: 1396 *Thiosphaera* medium

Na ₂ HPO ₄	4.2 g
KH ₂ PO ₄	1.5 g
Sodium acetate, trihydrate.....	1.36 g
NH ₄ Cl	0.3 g
MgSO ₄ . 7H ₂ O	0.1 g
Vishniac and Santer Trace Element Solution (see below).....	2.0 ml
KNO ₃	0.1 g
Distilled water.....	1.0 L

Adjust final pH to 8.0-8.2. Autoclave at 121C for 15 min.
To avoid precipitation, filter-sterilize broth. For agar prepare broth
2X, filter-sterilize and add aseptically to sterile 3% agar.

Vishniac and Santer Trace Element Solution:

EDTA.....	50.0 g
ZnSO ₄ . 7H ₂ O	22.0 g
CaCl ₂	5.54 g
MnCl ₂ . 4H ₂ O	5.06 g
FeSO ₄ . 7H ₂ O	4.99 g
(NH ₄) ₆ Mo ₇ O ₂₄ . 4H ₂ O.....	1.10 g
CuSO ₄ . 5H ₂ O	1.57 g
CoCl ₂ . 6H ₂ O	1.61 g
Distilled water.....	1.0 L

Adjust pH to 6.0 with KOH.