

ATCC medium: 2262 *Thermoanaerobacter subterraneus* medium

NH ₄ Cl	1.0 g
K ₂ HPO ₄	0.3 g
KH ₂ PO ₄	0.3 g
MgCl ₂ . 6H ₂ O	1.0 g
CaCl ₂ . 2H ₂ O	0.1 g
Cysteine . HCl.....	0.5 g
KCl.....	0.2 g
NaCl.....	0.6 g
Wolfe's Mineral Solution (see below)....	10.0 ml
Yeast extract.....	2.0 g
Glucose.....	4.0 g
NaHCO ₃	4.0 g
Na ₂ S ₂ O ₃ . 5H ₂ O	2.5 g
Na ₂ S . 9H ₂ O	0.45 g
Resazurin.....	0.5 g
Distilled deionized water.....	1.0 L

Dissolve ingredients except bicarbonate, glucose, thiosulfate, and sulfide. Prepare medium anaerobically under 80% N₂, 20% CO₂ gas mixture. Autoclave basal medium and cool under the same gas. Add sterile solutions of bicarbonate, glucose, thiosulfate, and sulfide to the cooled basal medium under gas. Dispense in tubes. Final pH should be 7.0.

Wolfe's Mineral Solution:

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.