

ATCC medium: 2435 Medium for *Geovibrio thiophilus*

KH ₂ PO ₄	0.2 g
NH ₄ Cl	0.25 g
NaCl	1.0 g
MgCl ₂ . 6H ₂ O	0.4 g
KCl	0.5 g
CaCl ₂ . 2H ₂ O	0.15 g
ATCC Trace Mineral Supplement (see below)	1.0 ml
Resazurin	1.0 mg
NaHCO ₃	2.5 g
Sodium acetate	0.82 g
Fumaric acid, disodium salt	3.2 g
Na ₂ S . 9H ₂ O	0.36 g
Distilled water	1.0 L

Combine ingredients except sodium bicarbonate, trace elements, and sodium sulfide in 950 ml of distilled water under 80% N₂, 20% CO₂; autoclave, then cool. Dissolve sodium bicarbonate in 50 ml of distilled water; filter-sterilize. Autoclave the sodium sulfide separately under N₂. Aseptically add the sterile sodium bicarbonate, trace elements, and sodium sulfide to the basal medium. Adjust the medium for final pH 7.2. Dispense and tube the medium under 80% N₂, 20% CO₂.

ATCC Trace Mineral Supplement:

Wolfe's Mineral Solution:

Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS).

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.