

ATCC medium: 1107 *Thermoanaerobium brockii* medium

Tryptone (BD 211705)	10.0 g
Yeast extract	3.0 g
NH ₄ Cl	0.9 g
NaCl	0.9 g
MgCl ₂ . 6H ₂ O	0.2 g
KH ₂ PO ₄	0.75 g
K ₂ HPO ₄	1.5 g
Trace Element Solution (see below)	9.0 ml
FeSO ₄ . 7H ₂ O (10%)	0.03 ml
Resazurin (0.025%)	4.0 ml
Wolfe's Vitamin Solution (see below)	5.0 ml
Na ₂ S . 9H ₂ O (10%)	10.0 ml
Glucose (20%) (filter-sterilized)	25.0 ml
Distilled water to	1.0 L

Adjust final pH to 7.3 +/- 0.2. Mix all ingredients except glucose and autoclave at 121C for 15 minutes. After autoclaving and while the medium is still hot, add sterile glucose and allow to cool under 97% N₂, 3% H₂. Adjust pH if necessary and tube medium aseptically under the same environment and cap with butyl rubber stoppers.

Trace Element Solution:

Nitrilotriacetic acid (Neutralize to pH 6.5 with KOH)	12.5 g
FeCl ₃ . 4H ₂ O	0.2 g
MnCl ₂ . 4H ₂ O	0.1 g
CoCl ₂ . 6H ₂ O	0.017 g
CaCl ₂ . 2H ₂ O	0.1 g
ZnCl ₂	0.1 g
CuCl ₂	0.02 g
H ₃ BO ₃	0.01 g
Na ₂ MoO ₄ . 2H ₂ O	0.01 g
NaCl	1.0 g
Na ₂ SeO ₃	0.02 g
Distilled water	1.0 L

Wolfe's Vitamin Solution:

Available from ATCC as a sterile ready-to-use liquid (Vitamin Supplement, catalog no. MD-VS).

Biotin.....	2.0 mg
Folic acid.....	2.0 mg
Pyridoxine hydrochloride....	10.0 mg
Thiamine . HCl.....	5.0 mg
Riboflavin.....	5.0 mg
Nicotinic acid.....	5.0 mg
Calcium D-(+)-pantothenate...	5.0 mg
Vitamin B12.....	0.1 mg
p-Aminobenzoic acid.....	5.0 mg
Thioctic acid.....	5.0 mg
Distilled water.....	1.0 L