

ATCC medium: 2118 *Desulfotomaculum halophilum* medium

Na ₂ SO ₄	3.0 g
CaCl ₂ . 2H ₂ O	6.0 g
NaCl.....	40.0 g
KCl.....	2.0 g
NH ₄ Cl	0.3 g
KH ₂ PO ₄	0.2 g
MgCL ₂ . 6H ₂ O	8.0 g
SrCl ₂ . 6H ₂ O	0.1 g
Trace Element Solution SL-12 (see below).....	1.0 ml
Resazurin.....	0.5 mg
MOPS.....	3.0 g
Sodium lactate.....	3.6 g
Yeast extract.....	1.0 g
Distilled water.....	1.0 L

Prepare medium anaerobically under N₂. Adjust pH to 6.0 prior to autoclaving. Dispense medium into tubes containing 1-2 grams of powdered iron per 10 ml of medium. Autoclave a 105C for 30 minutes.

Before use, add 0.5 ml of sterile reduced 10% NaHCO₃ per 10 ml of medium. Final pH 7.2.

Trace Element Solution SL-12:

HCl (25%).....	10.0 ml
FeCl ₂ . 4H ₂ O	1.5 g
EDTA.....	5.2 g
ZnCl ₂	70.0 mg
MnCl ₂ . 4H ₂ O	0.1 g
H ₃ BO ₃	6.0 mg
CoCl ₂ . 2H ₂ O	0.19 g
CuCl ₂ . 2H ₂ O	2.0 mg
NiCl ₂ . 6H ₂ O	24.0 mg
Na ₂ MoO ₄ . 2H ₂ O.....	36.0 mg
Distilled water.....	990.0 ml

Dissolve FeCl₂ in HCl, then dilute with water and add other salts. Adjust pH to 6.0.