

ATCC Medium: 2804 MJTSO Medium

NaCl.....	3.0 g
MgCl ₂ ·6H ₂ O.....	0.34 g
MgSO ₄ ·7H ₂ O.....	0.42 g
KCl.....	0.05 g
K ₂ HPO ₄	0.14 g
NH ₄ Cl.....	0.25 g
CaCl ₂ ·2H ₂ O.....	0.07 g
Trace mineral solution (see below).....	10.0 ml
Na ₂ S ₂ O ₃ ·5H ₂ O.....	1.0 g
Sulfur (powder).....	3.0 g
NaHCO ₃	1.0 g
DI Water.....	1000.0 ml

Steam sulfur for 3 hr on each of 3 successive days. Mix all remaining ingredients except for NaHCO₃, adjust pH to 7.5 with NaOH and autoclave at 121°C. Filter-sterilize 8% NaHCO₃ solution and add to the medium aseptically. Readjust pH to 7.5 with NaOH if necessary. Distribute the medium into culture vessels containing appropriate amount of sulfur (e.g., 20 ml of medium in 120 ml serum bottles containing 0.06 g sulfur) under a stream of CO₂-O₂ (93:7, v/v) gas mixture and seal with butyl rubber stoppers. Pressurize the inoculated vessel to 100 kPa CO₂-O₂ (93:7, v/v).

Trace mineral solution

EDTA Na ₂	0.5 g
CoCl ₂ ·6H ₂ O.....	0.15 g
MnCl ₂ ·4H ₂ O.....	0.1 g
FeSO ₄ ·7H ₂ O.....	0.1 g
ZnCl ₂	0.1 g
AlCl ₃ ·6H ₂ O.....	0.04 g
Na ₂ WO ₂ ·2H ₂ O.....	0.03 g
CuCl ₂ ·2H ₂ O.....	0.02 g
NiSO ₄ ·6H ₂ O.....	0.02 g
H ₂ SeO ₃	0.01 g
H ₃ BO ₃	0.01 g
Na ₂ MoO ₄ ·2H ₂ O.....	0.01 g
DI Water.....	1000.0 ml