ATCC Medium: 2811 Aciduliprofundum Medium

NaCl…….30.00 g
MgSO4 x 7H2O……3.50 g
MgCl2 x 6H2O……2.75 g
CaCl2 x 2H2O……0.38 g
KCl……0.33 g
NaBr……0.05 g
(NH4)2SO4……0.10 g
KH2PO4……..0.28 g
Wolfe's mineral elixier……..1.00 ml
Resazurin……...0.50 mg
Na3-citrate……..2.94 g
Yeast Extract……..1.00 g
Tryptone……..1.00 g
Sulfur, powdered……10.00 g
Na2S x 9H2O……..0.50 g
DI Water……..1000.00 ml

Sterilize sulfur for 3 consecutive days before preparing medium. On the third day, dissolve ingredients (except sodium sulfide), boil medium for 1 min., and autoclave at 121C. Cool medium to room temperature under 80% N2 and 20% CO2 gas mixture. Dispense under same gas atmosphere in culture vessels containing the appropriate amount of powdered sulfur. Prior to inoculation, add sulfide from a sterile, anoxic stock solution prepared under N2 and adjust pH of completed medium to 4.5.