

**ATCC medium: 2679 *Desulfotignum toluenicum***

*Solution A:*

Na <sub>2</sub> SO <sub>4</sub> .....	3.00 g
KH <sub>2</sub> PO <sub>4</sub> .....	0.20 g
NH <sub>4</sub> Cl .....	0.30 g
NaCl.....	15.00 g
MgCl <sub>2</sub> . 6H <sub>2</sub> O .....	3.00 g
KCl.....	0.50 g
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	0.15 g
Resazurin.....	1.00 mg
Distilled water.....	930.00 ml

*Solution B:*

Trace Elements Solution SL-10 (see below).....1.00 ml.

*Solution C:*

NaHCO <sub>3</sub> .....	2.50 g
Distilled water.....	50.00 ml

*Solution D:*

Sodium pyruvate.....	550.00 mg
Distilled water.....	10.00 ml

*Solution E:*

Wolfe's Vitamin Solution (see below).....10.00 ml

*Solution F:*

Na<sub>2</sub>SeO<sub>3</sub> . 5H<sub>2</sub>O (3.0 mg in 1L 10mM NaOH) .....1.00 ml

*Solution G:*

Na <sub>2</sub> S . 9H <sub>2</sub> O .....	0.40 g
Distilled water.....	10.00 ml

*Filter sterilize solutions B through G. Autoclave solution A and add solutions B through G after cooling solution A. Final pH of the medium should be 7.0. The complete medium is distributed anaerobically (under*

80% N<sub>2</sub> + 20% CO<sub>2</sub>) into appropriate sterile vessels.

*Trace Elements Solution SL-10:*

HCl (25%).....	10.0 ml
FeCl <sub>2</sub> . 4H <sub>2</sub> O .....	1.5 g
ZnCl <sub>2</sub> .....	70.0 mg
MnCl <sub>2</sub> . 4H <sub>2</sub> O .....	100.0 mg
H <sub>3</sub> BO <sub>3</sub> .....	6.0 mg
CoCl <sub>2</sub> . 6H <sub>2</sub> O .....	190.0 mg
CuCl <sub>2</sub> . 2H <sub>2</sub> O .....	2.0 mg
NiCl <sub>2</sub> . 6H <sub>2</sub> O .....	24.0 mg
Na <sub>2</sub> MoO <sub>4</sub> . 2H <sub>2</sub> O.....	36.0 mg
Distilled water.....	990.0 ml

Dissolve FeCl<sub>2</sub> in the HCl, dilute with water, add and dissolve the other salts, adjust pH to 6.0 with NaOH, finally fill up to 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