

**ATCC medium: 1923 *Desulfitobacterium dehalogenans* medium**

KH <sub>2</sub> PO <sub>4</sub> .....	5.4 g
Modified Wolfe's Minerals (see below).....	5.9 ml
Wolfe's Vitamin Solution (see below).....	10.0 ml
MgCl <sub>2</sub> . 6H <sub>2</sub> O .....	90.0 mg
CaCl <sub>2</sub> .....	25.0 mg
NH <sub>4</sub> Cl .....	0.5 g
Yeast extract.....	1.0 g
Sodium pyruvate.....	2.2 g
3-Chloro-4-hydroxyphenylacetic acid.....	1.9 g
Reducing Solution (see below).....	20.0 ml
Distilled water.....	971.0 ml

Prepare medium anaerobically under 100% N<sub>2</sub>. Adjust medium for final pH 7.5. Autoclave at 121C for 15 minutes.

*Reducing Solution:*

NaOH.....	8.0 g
Na <sub>2</sub> S . 9H <sub>2</sub> O .....	12.5 g
L-Cysteine . HCl . H <sub>2</sub> O.....	12.5 g
Distilled water.....	1.0 L

Dispense reducing solution anaerobically into tubes under nitrogen. Autoclave at 121C for 15 minutes.

*Modified Wolfe's Minerals:*

Na <sub>2</sub> SeO <sub>3</sub> .....	10.0 mg
NiCl <sub>2</sub> . 6H <sub>2</sub> O .....	10.0 mg
Na <sub>2</sub> WO <sub>4</sub> . 2H <sub>2</sub> O.....	10.0 mg
Wolfe's Mineral Solution (see below).....	1.0 L

*Wolfe's Mineral Solution:*

Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS).

Nitrilotriacetic acid.....	1.5 g
MgSO <sub>4</sub> . 7H <sub>2</sub> O .....	3.0 g
MnSO <sub>4</sub> . H <sub>2</sub> O .....	0.5 g
NaCl.....	1.0 g
FeSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.1 g
CoCl <sub>2</sub> . 6H <sub>2</sub> O .....	0.1 g
CaCl <sub>2</sub> .....	0.1 g
ZnSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.1 g
CuSO <sub>4</sub> . 5H <sub>2</sub> O .....	0.01 g
AlK(SO <sub>4</sub> ) <sub>2</sub> . 12H <sub>2</sub> O.....	0.01 g
H <sub>3</sub> BO <sub>3</sub> .....	0.01 g
Na <sub>2</sub> MoO <sub>4</sub> . 2H <sub>2</sub> O.....	0.01 g
Distilled water.....	1.0 L

Add nitrilotriacetic acid to approximately 500 ml of water and adjust to pH 6.5 with KOH to dissolve the compound. Bring volume to 1.0 L with remaining water and add remaining compounds one at a time.

*Wolfe's Vitamins:*

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

Folic acid.....	2.0 mg
Pyridoxine hydrochloride.....	10.0 mg
Riboflavin.....	5.0 mg
Biotin.....	2.0 mg
Thiamine.....	5.0 mg
Nicotinic acid.....	5.0 mg
Pantothenic acid.....	5.0 mg
Vitamin B12.....	0.1 mg
p-Aminobenzoic acid.....	5.0 mg
Thioctic acid.....	5.0 mg
Distilled water.....	1.0 L