

**ATCC medium: 2116 *Thiorhodospira sibirica* medium**

KH <sub>2</sub> PO <sub>4</sub> .....	0.5 g
NH <sub>4</sub> Cl .....	0.5 g
NaCl .....	0.5 g
MgCl <sub>2</sub> . 6H <sub>2</sub> O .....	0.2 g
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	50.0 mg
NaHCO <sub>3</sub> .....	2.5 g
NaCO <sub>3</sub> .....	2.5 g
Sodium acetate.....	0.5 g
Sodium malate.....	0.5 g
Yeast extract.....	0.1 g
Na <sub>2</sub> S . 9H <sub>2</sub> O .....	0.7 g
SL-12 Trace Elements (see below)...	1.0 ml
Distilled water.....	1.0 L

Adjust pH to 9.1-9.5. Fill tubes to capacity.  
Autoclave at 121C for 15 minutes.  
Autoclave in bulk and dispense aseptically into tubes.

*SL-12 Trace Element Solution:*

HCl (25%).....	10.0 ml
FeCl <sub>2</sub> . 4H <sub>2</sub> O .....	1.5 g
EDTA.....	5.2 g
ZnCl <sub>2</sub> .....	70.0 mg
MnCl <sub>2</sub> . 4H <sub>2</sub> O .....	0.1 g
H <sub>3</sub> BO <sub>3</sub> .....	6.0 mg
CoCl <sub>2</sub> . 2H <sub>2</sub> O .....	0.19 g
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 HCl, then dilute with water and add other salts.  
Adjust pH to 6.0.