

**ATCC Medium: 1249 Modified Baar's Medium For Sulfate Reducers**

**Component I**

MgSO <sub>4</sub> .....	2.0 g
Sodium Citrate.....	5.0 g
CaSO <sub>4</sub> x 2H <sub>2</sub> O.....	1.0 g
NH <sub>4</sub> Cl.....	1.0 g
DI Water.....	400.0 ml

**Component II**

K <sub>2</sub> HPO <sub>4</sub> .....	0.5 g
DI Water.....	200.0 ml

**Component III**

Sodium Lactate.....	3.5 g
Yeast Extract.....	1.0 g
DI Water.....	400.0 ml

Each component is adjusted to pH 7.5 and autoclaved at 121°C. The three components are mixed aseptically and tubed under 97% N<sub>2</sub> and 3% H<sub>2</sub>. Tube while warm to exclude as much oxygen as possible.

**Sterilize by Filtration**

5% Ferrous Ammonium Sulfate, Fe(NH<sub>4</sub>)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>; Biologist will add 0.1 ml to 5.0 ml of medium prior to inoculation.

\*\*\*\*\*Note: Ferrous Ammonium Sulfate solution is optional and should not be added unless specified.