

# NCMA Medium 5:Desulfovibrio Medium

## Composition per Liter:

### **Solution A:**

K<sub>2</sub>HPO<sub>4</sub> 0.5 g  
NH<sub>4</sub>Cl 1.0 g  
Na<sub>2</sub>SO<sub>4</sub> 1.0 g  
CaCl<sub>2</sub> x 2 H<sub>2</sub>O 0.1 g  
MgSO<sub>4</sub> x 7 H<sub>2</sub>O 2.0 g  
DL-Na-lactate 2.0 g  
Yeast extract 1.0 g  
Resazurin 1.0 mg  
Distilled water 980.0 ml

### **Solution B:**

FeSO<sub>4</sub> x 7 H<sub>2</sub>O 0.5 g  
Distilled water 10.0 ml

### **Solution C:**

Na-thioglycolate 0.1 g  
Ascorbic acid 0.1 g  
Distilled water 10.0 ml

Dissolve the ingredients of each solution in the appropriate quantities of water. Bring solution A to the boil for a few minutes, then cool to room temperature while gassing with oxygen-free N<sub>2</sub> gas. Add solutions B and C, adjust pH to 7.8 with NaOH, and distribute under N<sub>2</sub> in anaerobic tubes or serum bottles. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121°C.