

**63a. DESULFOTOMACULUM (14.5) MEDIUM****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
Na-acetate	2.0	g
Na-pyruvate	5.0	g
Yeast extract	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
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 ingredients of *solution A*, bring to the boil, then cool to room temperature while sparging with 100% N<sub>2</sub> gas. Add *solutions B* and *C*, adjust pH to 6.8 with NaOH, and distribute under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121°C. Check medium pH after autoclaving and adjust to 6.5 - 7.0, if necessary.