

**815. DESULFOHALOTOMACULUM MEDIUM**

Na <sub>2</sub> SO <sub>4</sub>	3.0	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	6.0	g
NaCl	40.0	g
KCl	2.0	g
NH <sub>4</sub> Cl	0.3	g
KH <sub>2</sub> PO <sub>4</sub>	0.2	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	8.0	g
SrCl <sub>2</sub> x 6 H <sub>2</sub> O	0.1	g
Trace element solution SL-11 (see medium 722)	1.0	ml
MOPS	3.0	g
Yeast extract	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Iron powder (or nails)	100.0	g
Na-L-lactate	3.6	g
Na <sub>2</sub> CO <sub>3</sub>	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients except iron, lactate and carbonate, adjust pH to 6.0 with NaOH and sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials containing 1 – 2 g iron powder or an iron nail. Autoclave for 30 min at 105°C. Before use add lactate from a sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Final medium pH should be 7.2.