

**815a. DESULFOCELLA HALOPHILA 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
Na-pyruvate	2.5	g
Na <sub>2</sub> CO <sub>3</sub>	0.5	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.1	g
Distilled water	1000.0	ml

Dissolve ingredients except pyruvate, bicarbonate and sulfide, adjust pH to 6.0 with NaOH and sparge medium for 30 – 45 min with 100% N<sub>2</sub> gas to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add pyruvate (sterilized by filtration) and sulfide from 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.

*Note: Prior to inoculation 10-20 mg/l sodium dithionite (added from a 5% w/v solution freshly prepared under N<sub>2</sub> and filter-sterilized) can be added to the medium to stimulate growth at the beginning.*