

**866. DESULFOHALOTOMACULUM ALKALIPHILUM MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.2	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.1	g
KCl	0.2	g
NH <sub>4</sub> Cl	1.0	g
Na <sub>2</sub> SO <sub>4</sub>	5.0	g
NaCl	5.0	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Yeast extract	1.5	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na <sub>2</sub> CO <sub>3</sub>	0.5	g
NaHCO <sub>3</sub>	8.0	g
Vitamin solution (see medium 141)	10.0	ml
Na-formate	5.0	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.5	g
Distilled water	1000.0	ml

Dissolve the ingredients (except carbonate, bicarbonate, vitamins, formate and sulfide,) and sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic. Add and dissolve carbonate and bicarbonate, adjust pH to 8.8 - 9.0, then dispense under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add vitamins (sterilized by filtration), formate and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas.

For [DSM 16529](#) replace Na-formate with 2.5 g/l Na-L-lactate as substrate.