

784. NATRONIELLA MEDIUM

KH ₂ PO ₄	0.2	g
MgCl ₂ x 6 H ₂ O	0.1	g
NH ₄ Cl	1.0	g
KCl	0.2	g
NaCl	16.0	g
Trace element solution SL-11 (see medium 722)	1.0	ml
Yeast extract	0.2	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	68.0	g
NaHCO ₃	38.0	g
Ethanol	5.0	ml
Vitamin solution (see medium 141)	10.0	ml
Na ₂ S x 9 H ₂ O	1.0	g
Distilled water	1000.0	ml

Dissolve ingredients except carbonate, bicarbonate, ethanol, vitamins and sulfide. Sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add and dissolve carbonates and sulfide while gassing the head space only. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add ethanol and vitamins from sterile anoxic stock solution prepared under 100% N₂ gas. Vitamins are sterilized by filtration. Adjust pH of the complete medium to 9.5 – 10.0, if necessary.

For [DSM 24923](#) omit ethanol and add to the autoclaved medium 2.0 g/l Na₂S₂O₃ x 5 H₂O from an anoxic stock solution prepared under 100% N₂ gas atmosphere and sterilized by filtration.