

813. DESULFONATRONUM 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
Na ₂ SO ₄	5.0	g
NaCl	10.0	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Yeast extract	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	3.5	g
Na ₂ S x 9 H ₂ O	0.5	g
Vitamin solution (see medium 141)	10.0	ml
Na-formate	4.0	g
Distilled water	1000.0	ml

Dissolve the ingredients (except carbonate, sulfide, vitamins and formate) and sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add and dissolve carbonate and sulfide, then adjust pH to 8.8 - 9.0, dispense under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add vitamins (sterilized by filtration) and formate from sterile anoxic stock solutions prepared under 100% N₂ gas.

For [DSM 26308](#) replace formate with 2.0 g/l Na-L-lactate and adjust pH of the complete medium to 9.5.