

148. DESULFUROMONAS SP. MEDIUM

KH ₂ PO ₄	1.0	g
NH ₄ Cl	0.5	g
MgSO ₄ x 7 H ₂ O	0.4	g
CaCl ₂ x 2 H ₂ O	0.1	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Selenite-tungstate solution (see medium 385)	1.0	ml
Na-acetate	0.5	g
Fumaric acid	1.5	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	1.5	g
Vitamin solution (see medium 503)	1.0	ml
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except carbonate, vitamins and sulfide), sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials. After autoclaving complete the medium by adding vitamins and sulfide from separately sterilized anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas atmosphere. Vitamins are sterilized by filtration. Adjust pH of the complete medium to 7.0-7.2, if necessary.