

906. DETHIOSULFOVIBRIO MEDIUM

NaCl	20.00	g
MgCl ₂ x 6 H ₂ O	3.00	g
KH ₂ PO ₄	1.00	g
Na ₃ -citrate x 5 H ₂ O	3.00	g
Yeast extract (OXOID)	5.00	g
Peptone (BD Bacto)	2.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
CaCl ₂ x 2 H ₂ O	0.20	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	2.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except calcium chloride, thiosulfate and sulfide. Sparge medium with 100% N₂ gas for at least 30 – 45 min to make it anoxic, then dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add calcium chloride, thiosulfate and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. The pH of the complete medium should be at 6.7 - 6.8.