

1202. DESULFOVIBRIO MARRAKECHENSIS MEDIUM

K ₂ HPO ₄	0.50	g
KH ₂ PO ₄	0.50	g
NH ₄ Cl	0.50	g
NaCl	0.40	g
KCl	0.10	g
Na ₂ SO ₄	2.80	g
CaCl ₂ x 2 H ₂ O	0.05	g
MgCl ₂ x 6 H ₂ O	0.30	g
Yeast extract	0.10	g
Na-lactate	1.20	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.50	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H ₂ O	0.25	g
Na ₂ S x 9 H ₂ O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, vitamins, cysteine and sulfide) and sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Sterilize vitamins by filtration. Adjust pH of the complete medium to 7.0, if necessary.