

742. DESULFONATRONOVIBRIO MEDIUM

NaCl	10.0	g
Na ₂ SO ₄	3.0	g
Na ₂ HPO ₄	0.2	g
KCl	0.2	g
NH ₄ Cl	1.0	g
Trace element solution (see medium 141)	10.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO ₃	15.0	g
Na ₂ CO ₃	10.0	g
Yeast extract	1.5	g
Vitamin solution (see medium 141)	10.0	ml
Na-formate	5.0	g
Na ₂ S x 9 H ₂ O	1.0	g
Distilled water	1000.0	ml

Dissolve ingredients except bicarbonate, carbonate, yeast extract, vitamins, formate, and sulfide. Sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic, then add bicarbonate and carbonate and adjust pH to 9.5. Dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add yeast extract, vitamins, formate and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Vitamins should be sterilized by filtration. The pH of the complete medium should be at 9.5 - 9.7.