

1298. SULFUROSPIRILLUM ALKALITOLERANS MEDIUM

NaCl	1.00	g
K ₂ HPO ₄	1.00	g
NaHCO ₃	32.00	g
Na ₂ CO ₃	10.60	g
KNO ₃	2.00	g
MgCl ₂ x 6 H ₂ O	0.20	g
Trace elements solution (see medium 1369)	1.00	ml
Yeast extract	0.02	g
Vitamins solution (see medium 503)	1.00	ml
Na-DL-lactate	2.20	g
Na ₂ S x 9 H ₂ O	0.10	g
Distilled water	1000.00	ml

Dissolve sodium chloride and hydrogenphosphate, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add and dissolve carbonates, then dispense under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add nitrate, magnesium chloride, trace elements, yeast extract, vitamins, lactate and sulfide from sterile anoxic stock solution prepared under 100% N₂ gas. Vitamins should be sterilized by filtration. Adjust pH of complete medium to 9.0, if necessary.