

1294. DESULFURISPIRILLUM INDICUM MEDIUM

NaCl	23.0	g
KCl	1.3	g
KH ₂ PO ₄	0.2	g
NH ₄ Cl	0.5	g
NaNO ₃	0.9	g
CaCl ₂ x 2 H ₂ O	0.1	g
MgCl ₂ x 6 H ₂ O	3.0	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Selenite-tungstate solution (see medium 385)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	1.0	g
Vitamin solution (see medium 141)	9.0	ml
Vitamin solution (see medium 503)	1.0	ml
Na-pyruvate	1.1	g
Na ₂ S x 9 H ₂ O	0.1	g
Distilled water	1000.0	ml

Dissolve ingredients (except carbonate, vitamins, pyruvate 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, pyruvate and sulfide from anoxic stock solutions prepared under 100% N₂ gas and sterilized by filtration. Add carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Adjust pH of the complete medium to 6.5 – 6.8, if necessary.