

1248. KOSMOTOGA SHENGLIENSIS MEDIUM

NaCl	18.00	g
KCl	0.34	g
MgSO ₄ x 7 H ₂ O	3.45	g
K ₂ HPO ₄	0.14	g
NH ₄ Cl	0.25	g
Na-acetate	1.00	g
Yeast extract	2.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
L-Cysteine x HCl	0.50	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	2.50	g
D-Glucose	10.00	g
Distilled water	1000.00	ml

Dissolve ingredients except cysteine, thiosulfate and glucose. Sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic, then add cysteine and adjust pH to 6.8 – 7.2. Dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add thiosulfate and glucose from anoxic stock solutions prepared under 100% N₂ gas and sterilized by filtration. Adjust pH of complete medium to 7.0, if necessary.