

643. SEDIMENTIBACTER MEDIUM

Sodium/Potassium phosphate buffer (0.2 M, pH 7.0)	100.00	ml
NaCl	10.00	g
NH ₄ Cl	0.50	g
MgCl ₂ x 7 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.03	g
Trace element solution (see medium 141)	5.00	ml
Yeast extract	10.00	g
Glycine	0.75	g
L-Arginine x HCl	2.10	g
L-Lysine x HCl	1.80	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Vitamin solution (see medium 141)	50.00	ml
L-Cysteine-HCl x H ₂ O	0.40	g
Na ₂ S x 9 H ₂ O	0.40	g
Distilled water	900.00	ml

Dissolve ingredients except vitamins, cysteine and sulfide, sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic, then distribute under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add vitamins (sterilized by filtration), cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. Check pH of complete medium and adjust to pH 7.0, if necessary.