

1616. SEDIMENTIBACTER ACIDAMINIVORANS MEDIUM

NaCl	20.00	g
NH ₄ Cl	0.54	g
KH ₂ PO ₄	0.10	g
MgCl ₂ x 7 H ₂ O	4.00	g
CaCl ₂ x 2 H ₂ O	1.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Yeast extract	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.50	g
Na-pyruvate	2.75	g
Vitamin solution (see medium 141)	20.00	ml
L-Cysteine-HCl x H ₂ O	0.30	g
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	900.00	ml

Dissolve ingredients except bicarbonate, pyruvate, vitamins, cysteine and sulfide, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Distribute medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add pyruvate, vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. The pyruvate and vitamin solutions should be sterilized by filtration. Check pH of complete medium and adjust to 7.2, if necessary.