

968. ANAEROBACILLUS ARSENICISELENATIS MEDIUM

$(\text{NH}_4)_2\text{SO}_4$	0.10	g
MgSO_4	25.00	mg
NaCl	90.00	g
K_2HPO_4	0.15	g
KH_2PO_4	0.08	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
NaNO_3	1.25	g
Na-DL-lactate	1.70	g
Yeast extract	0.20	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na_2CO_3	10.60	g
NaHCO_3	4.20	g
L-Cysteine-HCl x H_2O	0.25	g
Na_2S x 9 H_2O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, hydrogencarbonate and reducing agents), then sparge medium with 100% N_2 gas for 30 – 45 min to make it anoxic. Add solid carbonate and bicarbonate, adjust pH to 9.8, dispense medium under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before inoculation, add cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N_2 gas. Adjust pH of complete medium to 9.8, if necessary.