

1301. TEPIDANAEROBACTER ACETATOXYDANS MEDIUM

KH ₂ PO ₄	0.41	g
Na ₂ HPO ₄	0.43	g
MgCl ₂ x 6 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.11	g
NaCl	0.30	g
NH ₄ Cl	0.30	g
Trace element solution (see medium 732)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Yeast extract	0.20	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na ₂ CO ₃	1.50	g
D-Glucose	1.80	g
Vitamin solution (see medium 141)	2.00	ml
Na ₂ S x 9 H ₂ O	0.30	g
L-Cysteine-HCl x H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, glucose, vitamins and reducing agents) 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 glucose, vitamins, sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Adjust pH of the complete medium to 7.0-7.2, if necessary.