

144a. CALDICELLULOSIRUPTOR ACETIGENUS MEDIUM

NH ₄ Cl	0.90	g
NaCl	0.90	g
MgCl ₂ x 6 H ₂ O	0.40	g
KH ₂ PO ₄	0.75	g
K ₂ HPO ₄	1.50	g
Trace element solution (see medium 144)	9.00	ml
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	3.00	ml
Yeast extract	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Vitamin solution (see medium 141)	5.00	ml
D-Glucose	5.00	g
Na ₂ S x 9 H ₂ O	1.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except vitamins, glucose and sulfide), sparge medium with 100% N₂ gas 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 (sterilized by filtration) and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Adjust pH of complete medium to 7.2 - 7.4.