

1036. HUNGATEICLOSTRIDIUM ALKALICELLULOSI MEDIUM

NH ₄ Cl	0.5	g
KH ₂ PO ₄	0.2	g
MgCl ₂ x 6H ₂ O	0.1	g
KCl	0.2	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Selenite-tungstate solution (see medium 385)	1.0	ml
Na ₂ CO ₃	1.0	g
NaHCO ₃	7.6	g
NaCl	10.0	g
Yeast extract	0.2	g
Cellobiose	3.0	g
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients except cellobiose and sulfide, then 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 cellobiose after autoclaving from an anoxic stock solution prepared under 100% N₂ gas sterilized by filtration and sulfide from a sterile anoxic stock solution autoclaved under 100% N₂ gas. Adjust pH of the complete medium to pH 8.8-9.0.