

**1036. CLOSTRIDIUM ALKALICELLULOSI MEDIUM**

NH <sub>4</sub> Cl	0.5	g
KH <sub>2</sub> PO <sub>4</sub>	0.2	g
MgCl <sub>2</sub> x 6H <sub>2</sub> 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 <sub>2</sub> CO <sub>3</sub>	1.0	g
NaHCO <sub>3</sub>	7.6	g
NaCl	10.0	g
Yeast extract	0.2	g
Cellobiose	3.0	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients except cellobiose and sulfide, then sparge medium with 100% N<sub>2</sub> 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% N<sub>2</sub> gas sterilized by filtration and sulfide from a sterile anoxic stock solution autoclaved under 100% N<sub>2</sub> gas. Adjust pH of the complete medium to pH 8.8-9.0.