

1175. ALKALIFLEXUS MEDIUM

NH ₄ Cl	0.20	g
MgCl ₂ x 6 H ₂ O	0.05	g
KH ₂ PO ₄	0.20	g
Na ₂ CO ₃	7.40	g
NaHCO ₃	18.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Yeast extract	0.20	g
Cellulobiose	3.00	g
Distilled water	1000.00	ml

pH 10.0

Prepare the medium without Na₂CO₃, NaHCO₃, Na₂S x 9 H₂O, cellulobiose or yeast extract. Boil the medium in a water bath and cool under a stream of nitrogen. Add the Na₂CO₃ and NaHCO₃ to the cooled medium (the pH should be about 10.0) and dispense the medium into Hungate tubes or serum bottles under a stream of nitrogen. Seal the tubes under nitrogen gas and autoclave. To the cooled medium at the appropriate amounts of Na₂S x 9 H₂O, cellulobiose and yeast extract from sterile, anaerobic stock solutions (10% Na₂S x 9 H₂O, 5% cellulobiose, 10% yeast extract).