

1251. CALDINITRATIRUPTOR MEDIUM

NH ₄ Cl	1.00	g
KH ₂ PO ₄	0.30	g
K ₂ HPO ₄	0.30	g
KCl	0.10	g
NaCl	1.00	g
NaNO ₃	1.50	g
CaCl ₂ x 2 H ₂ O	0.10	g
MgCl ₂ x 6 H ₂ O	0.50	g
Trace element solution (see medium 141)	10.00	ml
Yeast extract	1.00	g
NaHCO ₃	2.50	g
D-Glucose	3.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate and glucose), 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. Prior to inoculation add glucose from a sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. The pH of the complete medium should be 7.0.