

**1251. CALDINITRATIRUPTOR MEDIUM**

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

Dissolve ingredients (except carbonate and glucose), sparge medium with 80% N<sub>2</sub> and 20% CO<sub>2</sub> 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% N<sub>2</sub> gas and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture. The pH of the complete medium should be 7.0.