

**1293: SYMBIOBACTERIUM THERMOPHILUM MEDIUM**

NaCl	5.00	g
NaNO <sub>3</sub>	1.70	g
Yeast extract (OXOID)	5.00	g
Tryptone (BD Bacto)	10.00	g
NH <sub>4</sub> HCO <sub>3</sub>	3.20	g
Distilled water	1000.00	ml

1. Dissolve ingredients (except bicarbonate) and adjust pH to 8.0, 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. Add bicarbonate from a sterile anoxic 3.2% (w/v) stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture (e.g., add 1 ml stock solution per 9 ml medium). Adjust pH of the complete medium to 7.5 - 7.8, if necessary.
2. After inoculation add sterile 100% H<sub>2</sub> gas to an overpressure of 0.5 bar.