

1293. SYMBIOBACTERIUM THERMOPHILUM MEDIUM

NaCl	5.0	g
NaNO ₃	1.7	g
Yeast extract (OXOID)	5.0	g
Tryptone (BD Bacto)	10.0	g
NH ₄ HCO ₃	3.2	g
Distilled water	1000.0	ml

Dissolve ingredients (except bicarbonate) and adjust pH to 8.0, 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. Add bicarbonate from a sterile anoxic 3.2% (w/v) stock solution prepared under 80% N₂ and 20% CO₂ 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. After inoculation add sterile 100% H₂ gas to an overpressure of 0.5 bar.