

502. CLOSTRIDIUM THERMOSUCCINOGENES MEDIUM

NaCl	1.20	g
MgCl ₂ x 6 H ₂ O	0.40	g
KCl	0.30	g
CaCl ₂ x 2 H ₂ O	0.15	g
NH ₄ Cl	0.27	g
KH ₂ PO ₄	0.21	g
Na ₂ SO ₄	0.10	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Inulin	5.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Yeast extract	0.03	g
Casamino acids (BD Bacto)	0.03	g
Vitamin solution (see medium 141)	10.00	ml
NaHCO ₃	2.50	g
Na ₂ HPO ₄	2.66	g
Na ₂ S x 9 H ₂ O	0.15	g
Distilled water	1000.00	ml

Dissolve ingredients (except yeast extract, Casamino acids, vitamins, bicarbonate, hydrogenphosphate and sulfide), bring medium to the boil, then cool to room temperature under 80% N₂ and 20% CO₂ gas mixture. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add yeast extract, Casamino acids, hydrogenphosphate and sulfide from 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. Vitamins are prepared under 100% N₂ gas atmosphere and sterilized by filtration. Adjust pH of complete medium to 7.0, if necessary.