

1095. NATRANAEROBIUS MEDIUM

NaCl	100.0	g
KH ₂ PO ₄	0.2	g
MgCl ₂	0.1	g
NH ₄ Cl	0.5	g
Yeast extract (OXOID)	10.0	g
Tryptone (BD Bacto)	10.0	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Na ₂ CO ₃	68.0	g
NaHCO ₃	38.0	g
L-Cysteine-HCl x H ₂ O	0.7	g
Vitamin solution (see medium 141)	10.0	ml
Sucrose	5.0	g
Distilled water	1000.0	ml

Dissolve ingredients (except carbonates, cysteine, vitamins and sucrose), then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add carbonate, hydrogencarbonate and cysteine and adjust pH to 8.5. Dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add vitamins and sucrose from sterile anoxic stock solutions prepared under 100% N₂ gas and sterilized by filtration.

For [DSM 18760](#) adjust pH of medium to 9.5 prior to autoclaving.

For [DSM 18770](#) adjust pH of medium to 9.7 prior to autoclaving and replace sucrose with 5.0 g/l Casamino acids added from a sterile anoxic stock solution after autoclaving.