

1004. ANAEROLINEA MEDIUM

KH ₂ PO ₄	0.14	g
MgCl ₂ x 6 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.15	g
NH ₄ Cl	0.54	g
Trace element solution SL-11 (see medium 722)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.50	g
Yeast extract	2.30	g
Vitamins solution (see medium 141)	10.00	ml
D-Glucose	2.20	g
L-Cysteine-HCl x H ₂ O	0.25	g
Na ₂ S x 9 H ₂ O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, yeast extract, vitamins, glucose and reducing agents), then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Add solid bicarbonate and adjust pH to 7.0. Dispense medium under 80% N₂ and 20% CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add yeast extract, vitamins (sterilized by filtration), glucose, sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas. Adjust pH of complete medium to 7.0, if necessary.

For [DSM 16554](#), [DSM 16555](#) and [DSM 17877](#) replace glucose with 7.20 g/l sucrose and reduce amount of yeast extract to 0.10 g/l.

For [DSM 16556](#) omit glucose and reduce amount of yeast extract to 0.10 g/l.

For [DSM 22659](#) increase amount of glucose to 5.00 g/l.

For [DSM 23815](#) replace glucose with 2.00 g/l cellobiose added after autoclaving from a sterile anoxic stock solution sterilized by filtration.