

1204. SPHAEROCHAETA MEDIUM

NaCl	1.00	g
KCl	0.50	g
NH ₄ Cl	0.30	g
KH ₂ PO ₄	0.20	g
Na ₂ SO ₄	0.15	g
MgCl ₂ x 6 H ₂ O	0.40	g
CaCl ₂ x 2 H ₂ O	0.10	g
Yeast extract	4.00	g
Caseine peptone	2.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na ₂ CO ₃	1.00	g
Maltose monohydrate	2.00	g
DL-Dithiothreitol (DTT)	0.80	g
Distilled water	1000.00	ml

Dissolve ingredients except carbonate, maltose and DTT, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave at 121°C for 20 minutes. Add maltose and DTT from sterile anoxic stock solutions prepared under 100% N₂ gas and sterilized by filtration and carbonate from a sterile stock solution prepared under 80% N₂ and 20% CO₂ gas atmosphere. Check pH of complete medium and adjust to 7.4, if necessary.