

1271. PLEOMORPHOCHAETA MEDIUM

NH ₄ Cl	0.5	g
KH ₂ PO ₄	0.1	g
NaCl	25.0	g
MgCl ₂ x 6 H ₂ O	4.0	g
CaCl ₂ x 2 H ₂ O	1.0	g
Yeast extract	1.0	g
D-Glucose	1.7	g
Trace mineral solution (see medium 732)	1.0	ml
Selenite-tungstate solution (see medium 385)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO ₃	2.5	g
Vitamin solution (see medium 141)	10.0	ml
L-Cysteine-HCl x H ₂ O	0.3	g
Na ₂ S x 9 H ₂ O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients (except bicarbonate, vitamins, cysteine and sulfide), then 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. After autoclaving add vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile stock solution prepared under 80% N₂ and 20% CO₂ gas atmosphere. The vitamin solution should be sterilized by filtration. Adjust pH of the complete medium to 7.3 – 7.5, if necessary.

For [DSM 23951](#) replace glucose with 2.0 g/l sucrose.

For [DSM 23952](#) replace glucose with 2.0 g/l maltose.