1271. PLEOMORPHOCHAETA MEDIUM

NH_4Cl	0.5	g
KH_2PO_4	0.1	g
NaCl	25.0	g
$MgCl_2$ x 6 H_2O	4.0	g
$CaCl_2$ x 2 H_2O	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
Na_2CO_3	1.5	g
Vitamin solution (see medium 141)	10.0	ml
L-Cysteine-HCl x H_2O	0.3	g
Na_2S x 9 H_2O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients (except carbonate, vitamins, cysteine and sulfide), then sparge medium with 80% N_2 and 20% CO_2 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% N_2 gas and carbonate from a sterile stock solution prepared under 80% N_2 and 20% CO_2 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 and DSM 104684 replace glucose with 2.0 g/l maltose.