1163a. OCEANOTOGA MEDIUM

NaCl	30.00	g
HEPES (SIGMA)	4.70	g
KCl	0.33	g
$MgCl_2$ x 2 H_2O	0.90	g
$MgSO_4$ x 7 H_2O	1.40	g
NH_4Cl	0.25	g
$CaCl_2$ x 2 H_2O	0.14	g
KH_2PO_4	0.45	g
Yeast extract	5.00	g
Trace element solution (see medium 141)	10.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
L-Cysteine-HCl x H_2O	0.50	g
D-Glucose	5.00	g
Vitamin solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Dissolve ingredients except cysteine, maltose and vitamins. Sparge medium with 100% N_2 gas for 30 – 45 min to make it anoxic, then add and dissolve cysteine and adjust pH to 7.5 with NaOH. Dispense medium under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add glucose and vitamins after autoclaving from anoxic stock solutions prepared under 100% N_2 gas and sterilized by filtration.

For DSM 24739 replace glucose with 5.00 g/l D-xylose and supplement medium after autoclaving with 2.50 g/l Na-thiosulfate added from an anoxic sterile stock solution.