

**1163. KOSMOTOGA OLEARIA MEDIUM**

NaCl	30.00	g
PIPES (SIGMA)	6.70	g
KCl	0.33	g
MgCl <sub>2</sub> x 2 H <sub>2</sub> O	0.90	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.40	g
NH <sub>4</sub> Cl	0.25	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.14	g
KH <sub>2</sub> PO <sub>4</sub>	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 <sub>2</sub> O	0.50	g
Maltose	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<sub>2</sub> gas for 30 – 45 min to make it anoxic, then add and dissolve cysteine and adjust pH to 6.8 with NaOH. Dispense medium under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add maltose and vitamins after autoclaving from anoxic stock solutions prepared under 100% N<sub>2</sub> gas and sterilized by filtration.