

945a: MARINITOGA AEOLICA MEDIUM

Final pH: 5.5

Final volume: 1000 ml

NH ₄ Cl	1.00	g
MgCl ₂ x 6 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.10	g
KCl	0.10	g
NaCl	30.00	g
Na-acetate	0.83	g
MES (SIGMA)	1.95	g
Yeast extract	5.00	g
Trypticase peptone (BD BBL)	5.00	g
K ₂ HPO ₄	0.30	g
KH ₂ PO ₄	0.30	g
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H ₂ O	0.30	g
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	1000.00	ml

1. Dissolve ingredients except cysteine and sulfide. Sparge medium with 100% N₂ gas for at least 30 - 45 min to make it anoxic and adjust pH to 5.5 with NaOH. Distribute the medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to inoculation add cysteine and sulfide and from sterile anoxic stock solutions prepared under 100% N₂ gas. After inoculation pressurize tubes to 2 bar overpressure with sterile 100% N₂ gas.

2. After inoculation pressurize tubes to 2 bar overpressure with sterile 100% N₂ gas.