

959a. MARINITOGA LITORALIS MEDIUM

NaCl	26.00	g
MgCl ₂ x 6 H ₂ O	0.50	g
CaCl ₂ x 2 H ₂ O	0.10	g
NH ₄ Cl	1.00	g
KCl	0.20	g
PIPES (SIGMA)	3.40	g
K ₂ HPO ₄	0.35	g
KH ₂ PO ₄	0.35	g
Na-acetate x 3 H ₂ O	2.72	g
Yeast extract (OXOID)	2.00	g
Trypticase peptone (BD BBL)	2.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Maltose	3.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except maltose and sulfide, adjust pH to 5.8 - 6.0 and sparge medium with 100% N₂ gas 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 maltose and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. The pH of the complete medium should be 6.0.