

68: HALOTHIOBACILLUS NEAPOLITANUS MEDIUM

Final pH: 6.8

KH ₂ PO ₄	4.0	g
K ₂ HPO ₄	4.0	g
MgSO ₄ x 7 H ₂ O	0.8	g
NH ₄ Cl	0.4	g
<i>Trace element solution (Vishniac and Santer, 1957)</i>	5.0	ml
Bromocresol purple (saturated aqueous solution)	0.5	ml
Bacto Agar (optional)	15.0	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	10.0	g
Distilled water	1000.0	ml

Dissolve ingredients except thiosulfate, dispense into suitable cultivation vessels and autoclave. Add thiosulfate to the autoclaved medium from a sterile stock solution. Adjust pH of complete medium to 6.6 - 7.0.

Trace element solution (Vishniac and Santer, 1957) (from medium 69)

Na ₂ -EDTA	50.00	g
ZnSO ₄ x 7 H ₂ O	22.00	g
CaCl ₂ x 2 H ₂ O	5.54	g
MnCl ₂ x 4 H ₂ O	5.06	g
FeSO ₄ x 7 H ₂ O	5.00	g
(NH ₄) ₆ Mo ₇ O ₂₄ x 4 H ₂ O	1.10	g
CuSO ₄ x 5 H ₂ O	1.57	g
CoCl ₂ x 6 H ₂ O	1.61	g
Distilled water	1000.00	ml
KOH (2 N), for pH adjustment		

Dissolve EDTA in distilled water, adjust pH to 7 using 2 N KOH, then add remaining compounds. Adjust pH of final solution to 6.0 with KOH.