

68: HALOTHIOBACILLUS NEAPOLITANUS MEDIUM

Final pH: 6.6 - 7.0

Final volume: 1005 ml

KH ₂ PO ₄	4.00	g
K ₂ HPO ₄	4.00	g
MgSO ₄ x 7 H ₂ O	0.80	g
NH ₄ Cl	0.40	g
Trace element solution (Vishniac & Santer, 1957)	5.00	ml
Bromocresol purple (saturated aqueous solution)	0.50	ml
Agar (Bacto), for solid medium (optional)	15.00	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	10.00	g
Distilled water	1000.00	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 & 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

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.