

1058e. THIOHALOBACTER THIOCYANATICUS MEDIUM

NaCl	60.00	g
K ₂ HPO ₄	1.50	g
NH ₄ Cl	0.50	g
Trace element solution (see medium 1369)	1.00	ml
CaCl ₂ x 2 H ₂ O	0.05	g
MgSO ₄ x 7 H ₂ O	0.50	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
NaHCO ₃	5.00	g
Seven vitamins solution (see medium 503)	1.00	ml
Distilled water	1000.00	ml

Dissolve sodium chloride, potassium hydrogenphosphate and ammonium chloride, then sparge solution with 80% N₂ and 20% CO₂ gas mixture for at least 30 – 45 min to remove dissolved oxygen and to saturate the solution with CO₂. Dispense solution under air atmosphere in Erlenmeyer flasks to 10% of volume, close with screw caps and autoclave. Add trace elements, calcium chloride, magnesium sulfate, thiosulfate, bicarbonate and vitamins from sterile stock solutions and adjust pH of the medium to 7.5 using a sterile stock solution of sodium carbonate (5% w/v). Incubate with shaking.
Note: Use at least 10% (v/v) as inoculum.