

**1058b. HALOTHIOBACILLUS HL2 MEDIUM**

NaCl	120.00	g
K <sub>2</sub> HPO <sub>4</sub>	1.50	g
NH <sub>4</sub> Cl	0.50	g
Trace element solution (see medium 1369)	1.00	ml
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.40	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	5.00	g
NaHCO <sub>3</sub>	2.50	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% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for at least 30 – 45 min to remove dissolved oxygen and to saturate the solution with CO<sub>2</sub>. Dispense solution under air atmosphere in Erlenmeyer flasks to 10% of volume, close with screw caps and autoclave. Add trace elements, calcium chloride, magnesium chloride, 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.*