

**842. HALOANAEROBACTER SALINARIUS MEDIUM**

NaCl	150.00	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	15.00	g
KCl	3.00	g
NH <sub>4</sub> Cl	0.50	g
KH <sub>2</sub> PO <sub>4</sub>	0.35	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
Yeast extract	0.10	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.50	g
NaHCO <sub>3</sub>	2.00	g
Glucose	1.20	g
Resazurin	1.00	mg
Trace element solution SL12 (see medium 28)	1.00	ml
Selenite-tungstate solution (see below)	1.00	ml
Vitamin solution 7 (see below)	1.00	ml
Distilled water	997.00	ml

Final pH 7.2 - 7.4

Prepare the medium without yeast extract, Na<sub>2</sub>S x 9 H<sub>2</sub>O, NaHCO<sub>3</sub>, glucose and vitamin solution (prepared as anaerobic, sterile stock solutions). Boil the medium and cool under anaerobic gas mixture of N<sub>2</sub>:CO<sub>2</sub> (80:20). Dispense medium into Hungate tubes or serum bottles using the same gas mixture. Autoclave. Add the remaining components to the medium once it has cooled and check the final pH.

*Selenite-tungstate solution:*

Na <sub>2</sub> SeO <sub>3</sub> x 5 H <sub>2</sub> O	6.00	mg
Na <sub>2</sub> WO <sub>4</sub> x 2 H <sub>2</sub> O	8.00	mg
NaOH	0.40	g
Distilled water	1000.00	ml

*Vitamin solution 7:*

Biotin	10.00	mg
<i>p</i> -Aminobenzoic acid	50.00	mg
Vitamin B <sub>12</sub>	50.00	mg
Thiamine	100.00	mg
Distilled water	1000.00	ml