

**494. ACETOHALOBIUM MEDIUM**

NaCl	150.00	g
KCl	0.33	g
NH <sub>4</sub> Cl	0.33	g
KH <sub>2</sub> PO <sub>4</sub>	0.33	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.33	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	4.00	g
Trace element solution (see medium 141)	10.00	ml
Vitamin solution (see medium 141)	10.00	ml
Yeast extract	0.05	g
Trimethylamine x HCl	2.40	g
or		
Glycinebetaine	4.50	g
NaHCO <sub>3</sub>	4.00	g
Resazurin	1.00	mg
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.50	g
Distilled water	1000.00	ml

Prepare medium anaerobically under 80% N<sub>2</sub> + 20% CO<sub>2</sub> and autoclave. Sterilize separately anaerobic stock solutions of vitamin mix (by filtration), yeast extract, substrate, sodium bicarbonate, and sodium sulfide. If necessary, adjust medium pH to 7.6 - 8.0 with sterile, anaerobic Na<sub>2</sub>CO<sub>3</sub> solution.