

**135b. ACETOBACTERIUM DEHALOGENANS MEDIUM**

NH <sub>4</sub> Cl	1.00	g
KH <sub>2</sub> PO <sub>4</sub>	0.33	g
K <sub>2</sub> HPO <sub>4</sub>	0.45	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.10	g
Trace element solution (see medium 141)	20.00	ml
Yeast extract	2.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na <sub>2</sub> CO <sub>3</sub>	5.00	g
Na-syringate	1.00	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H <sub>2</sub> O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except carbonate, syringate, vitamins and cysteine, bring to the boil and cool to room temperature under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Thereafter, dispense under same gas atmosphere in anoxic Hungate-type tubes or serum vials and autoclave. Add syringate, vitamins and cysteine from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Vitamins should be sterilized by filtration. The pH of the completed medium should be at 7.4.

*Note: After growth has been started add an additional amount of syringate to reach a final concentration of 2.00 g/l.*