

**614. ACETOBACTERIUM FIMETARIUM MEDIUM**

KCl	0.33	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.52	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.22	g
NH <sub>4</sub> Cl	0.33	g
KH <sub>2</sub> PO <sub>4</sub>	0.33	g
Yeast extract	0.50	g
Trace element solution (see medium 141)	10.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	1.00	g
Vitamin solution (see medium 141)	10.00	ml
D-Fructose	10.00	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.70	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, vitamins, fructose and sulfide) and sparge medium with 100% N<sub>2</sub> gas for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add vitamins, fructose and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and bicarbonate 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. Adjust pH of complete medium to 6.8 - 7.0, if necessary.