

**649. DESULFUROMONAS SUCCINOXIDANS MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	1.0	g
NH <sub>4</sub> Cl	0.3	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.0	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.1	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	2.0	g
NaCl	20.0	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO <sub>3</sub>	2.5	g
Na-acetate	0.8	g
Na <sub>2</sub> -fumarate	1.6	g
Vitamin solution (see medium 503)	1.0	ml
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients except bicarbonate, acetate, fumarate, vitamins and sulfide. Sparge medium with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for 30 – 45 min to make it anoxic, then dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add acetate, fumarate, vitamins 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. Stock solutions of fumarate and vitamins should be sterilized by filtration. The pH of the complete medium should be 7.0 - 7.2.