

**1675. DESULFOTHERMOBACTER MEDIUM**

NH <sub>4</sub> Cl	0.33	g
KCl	0.33	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.33	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.33	g
KH <sub>2</sub> PO <sub>4</sub>	0.33	g
Na <sub>2</sub> SO <sub>4</sub>	2.80	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Vitamin solution (see medium 141)	1.00	ml
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.50	g
Distilled water	1000.00	ml

Dissolve all ingredients except vitamins and sulfide, then sparge medium with 80% H<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for 30 – 45 min to make it anoxic. Adjust pH to 4.5 with HCl, dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas. Vitamins should be sterilized by filtration. Adjust pH of complete medium to 4.5 - 4.8, if necessary.