

## 720. DESULFITOBACTERIUM HAFNIENSE MEDIUM

NH <sub>4</sub> Cl	1.00	g
NaCl	0.10	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.10	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
K <sub>2</sub> HPO <sub>4</sub> x 3 H <sub>2</sub> O	0.40	g
Trace element solution SL-11 (see medium 722)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Yeast extract	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	2.60	g
Na-pyruvate	2.50	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	1.25	g
Vitamin solution (see medium 141)	10.00	ml
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, pyruvate, thiosulfate, vitamins and sulfide), then sparge medium with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for 30 - 45 min to make it anoxic. Add bicarbonate and adjust pH to 7.0 – 7.2, then dispense under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to use add pyruvate, thiosulfate, vitamins, and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas. Stock solutions of pyruvate and vitamins are sterilized by filtration.