

**1024. NITRATIRUPTOR AND NITRATIFRACTOR MEDIUM**

NaNO <sub>3</sub>	1.000	g
NaHCO <sub>3</sub>	1.000	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	1.000	g
Sulfur, powdered	3.000	g
Trace vitamin solution (see medium 141)	10.000	ml
DMJ synthetic seawater (see medium 997)	1000.000	ml

Prepare the medium under an atmosphere of H<sub>2</sub>/CO<sub>2</sub> (80:20) without adding the vitamins and NaHCO<sub>3</sub> in serum bottles and seal the serum tubes with butyl rubber stoppers. Steam medium for 3 hours on each of 3 successive days. To the sterile medium add, from filter sterilised stock solutions, the NaHCO<sub>3</sub> and vitamin solution. Increase the 80% H<sub>2</sub> + 20% CO<sub>2</sub> gas phase pressure to 300 kPa. The final pH is 7.0.