

1024. NITRATIRUPTOR AND NITRATIFRACTOR MEDIUM

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

Prepare the medium under an atmosphere of H₂/CO₂ (80:20) without adding the vitamins and NaHCO₃ 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 NaHCO₃ and vitamin solution. Increase the 80% H₂ + 20% CO₂ gas phase pressure to 300 kPa. The final pH is 7.0.