

**1661. ALKALIPHILUS NAMSARAEVII MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NaCl	25.00	g
Yeast extract	2.50	g
NaHCO <sub>3</sub>	1.85	g
Na <sub>2</sub> CO <sub>3</sub>	1.20	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Fe(III)-citrate (19% Fe)	7.30	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.20	g
Vitamin solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, carbonate, trace elements, ferric citrate, magnesium chloride and vitamins) and sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic. Add and dissolve bicarbonate and carbonate, then adjust pH to 9.5 and dispense medium under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add ferric citrate (10% w/v stock solution; dissolve by boiling and adjust pH to 7.5-8.0), trace elements, selenite-tungstate solution, magnesium chloride and vitamins from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas. Sterilize vitamins by filtration. Adjust pH of the complete medium to 9.5, if necessary.