

**1249. GEOALKALIBACTER SUBTERRANEUS MEDIUM**

NaCl	17.00	g
NaNO <sub>3</sub>	2.55	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	4.50	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.35	g
NH <sub>4</sub> Cl	1.00	g
KH <sub>2</sub> PO <sub>4</sub>	0.08	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Na <sub>2</sub> CO <sub>3</sub>	1.50	g
Na-acetate	1.00	g
Yeast extract	3.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, acetate and yeast extract), 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. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to inoculation add acetate and yeast extract from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture. The pH of the complete medium should be at 7.0 – 7.2.