

1249. GEOALKALIBACTER SUBTERRANEUS MEDIUM

NaCl	17.00	g
NaNO ₃	2.55	g
MgCl ₂ x 6 H ₂ O	4.50	g
CaCl ₂ x 2 H ₂ O	0.35	g
NH ₄ Cl	1.00	g
KH ₂ PO ₄	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
NaHCO ₃	3.50	g
Na-acetate	1.00	g
Yeast extract	3.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, acetate and yeast extract), then sparge medium with 80% N₂ and 20% CO₂ 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% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. The pH of the complete medium should be at 7.0 – 7.2.