1059. GEOALKALIBACTER MEDIUM

NH_4Cl	0.50	g
KCl	0.20	g
$MgCl_2$ x 6 H_2O	0.10	g
KH_2PO_4	0.20	g
NaCl	1.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na_2CO_3	3.00	g
$NaHCO_3$	10.00	g
Sulfur, powdered	10.00	g
Yeast extract	0.10	g
Na-acetate	2.50	g
Distilled water	1000.00	ml

Dissolve ingredients (ecxept carbonate, hydrogencarbonate, sulfur, yeast extract and acetate), then sparge medium with 100% N_2 gas for 30 – 45 min to make it anoxic. Add solid carbonate and bicarbonate, adjust pH to 9.0 - 9.2, and dispense under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials containing already the appropriate amount of sulfur. Sterilize medium by autoclaving at **110°C (!)** for 20 min. Add yeast extract and acetate from sterile anoxic stock solutions prepared under 100% N_2 gas.