1699. SULFURIMONAS CRATERIS MEDIUM

Solution A:		
KH_2PO_4	0.20	g
NH_4Cl	0.25	g
NaCl	10.00	g
$MgCl_2$ x 6 H_2O	0.40	g
KCl	0.50	g
$CaCl_2$ x 2 H_2O	0.15	g
$NaNO_3$	0.85	g
Trace element solution (see medium 141)	1.00	ml
Sulfur, powdered	5.00	g
Distilled water	970.00	ml
Solution B:		
Na_2CO_3	1.25	g
Distilled water	25.00	ml
Solution C:		
Vitamins solution (see medium 141)	10.00	ml

Dissolve compounds of *solution A* except sulfur and sparge it with 80% N_2 and 20% CO_2 gas mixture for 30 – 45 min to make it anoxic.
Distribute under 80% N_2 and 20% CO_2 gas atmosphere into anoxic Hungate-type tubes or serum vials that contain the appropriate amount of sulfur and autoclave at 110°C for 20 min. *Solution B* is autoclaved under 80% N_2 and 20% CO_2 gas atmosphere. *Solution C* is prepared under 100% N_2 gas and sterilized by filtration. To complete the medium appropriate amounts of s*olutions B* and *C* are added to the sterile *solution A* in the sequence as indicated. Adjust pH of complete medium to 7.5 - 8.0, if necessary.

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