1577. SPOROHALOBACTER SALINUS MEDIUM

NH_4Cl	1.0	g
K_2HPO_4	0.5	g
$CaCl_2$ x 2 H_2O	0.1	g
KCl	0.8	g
Na-acetate	0.5	g
NaCl	200.0	g
Yeast extract (OXOID)	0.5	g
Tryptone (BD Bacto)	5.0	g
Trace element solution (see medium 141)	10.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H_2O	0.5	g
$MgSO_4$	5.0	g
Na_2CO_3	1.0	g
D-Glucose	4.0	g
Na_2S x 9 H_2O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except cysteine, magnesium sulfate, carbonate, glucose and sulfide), then sparge medium with 80% N_2 and 20% CO_2 gas mixture for 30 – 45 min to make it anoxic. Add and dissolve cysteine, adjust pH to 6.0, dispense under 80% N_2 and 20% CO_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add magnesium sulfate, glucose and sulfide from sterile anoxic stock solutions prepared under 100% N_2 gas and carbonate from a sterile anoxic stock solution prepared under 80% N_2 and 20% CO_2 gas atmosphere. Prior to inoculation check pH of complete medium and adjust to 6.8 – 7.0, if necessary.
Note: This medium cannot be stored over a longer period and should be prepared freshly before use!

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