## 1577. SPOROHALOBACTER SALINUS MEDIUM

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|---|---|---|
| $NH_4Cl$ | 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 |
| $NaHCO_3$ | 2.0 | 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, bicarbonate, 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 bicarbonate 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!*