499. DESULFOHALOBIUM MEDIUM

NH₄Cl  1.0 g  
K₂HPO₄  0.3 g  
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MgCl₂ x 6 H₂O  20.0 g  
NaCl  100.0 g  
CaCl₂ x 2 H₂O  2.7 g  
KCl  4.0 g  
Na₂SO₄  3.0 g  
Na-acetate  1.0 g  
Trypticase peptone (BD BBL)  1.0 g  
Yeast extract (OXOID)  1.0 g  
Na-(L)-lactate  2.5 g  
Trace element solution SL-10 (see medium 320)  1.0 ml  
Selenite-tungstate solution (sse medium 385)  1.0 ml  
Na-resazurin solution (0.1% w/v)  0.5 ml  
Na₂S x 9 H₂O  0.3 g  
Distilled water  1000.0 ml  

Dissolve ingredients except sulfide, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Adjust pH to 6.8 - 7.0, then dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add sulfide from a sterile anoxic stock solution prepared under 100% N₂ gas atmosphere. Adjust pH of complete medium to 7.0, if necessary. A small amount of white precipitate forms after autoclaving, but this has no negative effect on growth.