

499. DESULFOHALOBIUM MEDIUM

NH ₄ Cl	1.0	g
K ₂ HPO ₄	0.3	g
KH ₂ PO ₄	0.3	g
MgCl ₂ x 6 H ₂ O	20.0	g
NaCl	100.0	g
CaCl ₂ x 2 H ₂ O	2.7	g
KCl	4.0	g
Na ₂ SO ₄	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 (see medium 385)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ S x 9 H ₂ O	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.