1490. DESULFOHALOTOMACULUM PECKII MEDIUM

NaCl	20.0	g
NH_4Cl	1.0	g
K_2HPO_4	0.3	g
KH_2PO_4	0.3	g
KCl	0.1	g
Na_2SO_4	2.0	g
$CaCl_2$ x 2 H_2O	0.1	g
Trace elements solution SL-10 (see medium 320)	1.0	ml
Yeast extract	2.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
$NaHCO_3$	2.5	g
$Na_2S_2O_3$ x 5 H_2O	3.0	g
$MgCl_2$ x 6 H_2O	3.0	g
L-Cysteine-HCl x H_2O	0.5	g
Na_2S x 9 H_2O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except bicarbonate, thiosulfate, magnesium chloride, cysteine and sulfide), then sparge medium with 80% H_2 and 20% CO_2 gas mixture for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of their volume and autoclave. Add magnesium chloride, cysteine 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 mixture. Adjust pH of the complete medium to 6.8 - 7.0, if necessary. After inoculation pressurize cultivation vials to 1 bar overpressure with sterile 80% H_2 and 20% CO_2 gas mixture.