786. DETHIOSULFOVIBRIO PEPTIDOVORANS MEDIUM

NH_4Cl	1.00	g
K_2HPO_4	0.30	g
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$MgCl_2$ x 6 H_2O	3.00	g
$CaCl_2$ x 2 H_2O	0.10	g
KCl	0.10	g
Na-acetate	0.50	g
Yeast extract (OXOID)	1.00	g
Trypticase peptone (BD BBL)	5.00	g
NaCl	30.00	g
Trace element solution (see medium 141)	10.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
$NaHCO_3$	5.00	g
$Na_2S_2O_3$ x 5 H_2O	5.00	g
L-Cysteine-HCl x H2O	0.50	g
Na_2S x 9 H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, thiosulfate, cysteine and sulfide. Sparge medium with 80% N_2 and 20% CO_2 gas mixture for 30 – 45 min to make it anoxic, then dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add thiosulfate, 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 atmosphere. Stock solutions of thiosulfate and vitamins should be sterilized by filtration. The pH of the complete medium should be 7.2 - 7.4.