1490: DESULFOVECTIS MEDIUM

NaCl	20.00	g
NH_4Cl	1.00	g
K_2HPO_4	0.30	g
KH_2PO_4	0.30	g
KCl	0.10	g
Na_2SO_4	2.00	g
$CaCl_2$ x 2 H_2O	0.10	g
Trace element solution SL-10	1.00	ml
Yeast extract	2.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Na_2CO_3	1.50	g
$Na_2S_2O_3$ x 5 H_2O	3.00	g
$MgCl_2$ x 6 H_2O	3.00	g
L-Cysteine HCl x H_2O	0.50	g
Na_2S x 9 H_2O	0.50	g
Distilled water	1000.00	ml

1. Dissolve ingredients (except carbonate, 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 carbonate 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.

2. After inoculation pressurize cultivation vials to 1 bar overpressure with sterile 80% H_2 and 20% CO_2 gas mixture.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
$FeCl_2$ x 4 H_2O	1.50	g
$ZnCl_2$	70.00	mg
$MnCl_2$ x 4 H_2O	100.00	mg
H_3BO_3	6.00	mg
$CoCl_2$ x 6 H_2O	190.00	mg
$CuCl_2$ x 2 H_2O	2.00	mg
$NiCl_2$ x 6 H_2O	24.00	mg
Na_2MoO_4 x 2 H_2O	36.00	mg
Distilled water	990.00	ml

First dissolve $FeCl_2$ in the HCl, then dilute in water, add and dissolve the other salts. Finally

make up to 1000.00 ml.