

95. DESULFUROMONAS ACETOXIDANS MEDIUM**Solution A:**

KH ₂ PO ₄	1.00	g
NH ₄ Cl	0.30	g
MgSO ₄ x 7 H ₂ O	1.00	g
MgCl ₂ x 6 H ₂ O	2.00	g
NaCl	20.00	g
CaCl ₂ x 2 H ₂ O	0.10	g
Na ₂ SO ₄	1.77	g
Trace element solution SL-11 (see medium 722)	1.00	ml
Na ₂ -DL-malate	2.66	g
Yeast extract	0.50	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	940.00	ml

Adjust pH to 6.0 with 2 N NaOH.

Solution B:

Ethanol	0.30	ml
Distilled water	2.70	ml

Solution C:

NaHCO ₃	1.85	g
Distilled water	40.00	ml

Solution D:

Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	10.00	ml

Sparge *solution A* with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense solution under same gas atmosphere into anoxic Hungate-type tubes or serum vials and sterilize by autoclaving. *Solutions B* and *D* are autoclaved separately under 100% N₂ gas atmosphere. *Solution C* is autoclaved under 80% N₂ and 20% CO₂ gas atmosphere. The medium is completed before use by adding appropriate amounts of *solutions B, C* and *D* to *solution A*. Adjust pH of complete medium to 7.2, if necessary.