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% N$_2$ 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% N$_2$ gas atmosphere. Solution C is autoclaved under 80% N$_2$ and 20% CO$_2$ 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.