

835. DESULFUROMONAS CHLOROETHENICA MEDIUM**Solution A:**

NH ₄ Cl	0.40	g
KH ₂ PO ₄	0.50	g
MgCl ₂ x 6 H ₂ O	0.30	g
NaCl	0.40	g
CaCl ₂ x 2 H ₂ O	10.00	mg
Trace element solution SL-10 (see medium 320)	1.00	ml
Na-acetate	0.41	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	895.00	ml

Solution B:

Na ₂ CO ₃	1.75	g
Distilled water	35.00	ml

Solution C:

Na ₂ -fumarate	3.20	g
Distilled water	25.00	ml

Solution D:

L-Cysteine HCl x H ₂ O	0.25	g
Distilled water	10.00	ml

Solution E:

Vitamin solution (see medium 141)	10.00	ml
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Solution F:

Na ₂ S x 9 H ₂ O	0.25	g
Distilled water	10.00	ml

Solution A is sparged with 80% N₂ and 20% CO₂ gas mixture to reach a pH below 6 (at least 30 -45 min), then distributed under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclaved. *Solution B* is autoclaved separately under 80% N₂ and 20% CO₂ gas atmosphere. *Solutions D* and *F* are autoclaved under 100% N₂ gas atmosphere. *Solutions C* and *E* are prepared under 100% N₂ gas atmosphere and sterilized by filtration. To complete the medium appropriate amounts of *solutions B* to *F* are added to the sterile *solution A* in the sequence as indicated. Final pH of the medium should be 7.0 – 7.2.