

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

NH <sub>4</sub> Cl	0.40	g
KH <sub>2</sub> PO <sub>4</sub>	0.50	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.30	g
NaCl	0.40	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> 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	875.00	ml

**Solution B:**

NaHCO <sub>3</sub>	3.50	g
Distilled water	50.00	ml

**Solution C:**

Na <sub>2</sub> -fumarate	3.20	g
Distilled water	25.00	ml

**Solution D:**

L-Cysteine HCl x H <sub>2</sub> O	0.25	g
Distilled water	20.00	ml

**Solution E:**

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

Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.25	g
Distilled water	20.00	ml

*Solution A* is sparged with 80% N<sub>2</sub> and 20% CO<sub>2</sub> 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% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. *Solutions D* and *F* are autoclaved under 100% N<sub>2</sub> gas atmosphere. *Solutions C* and *E* are prepared under 100% N<sub>2</sub> 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.