

**837. DESULFUROMONAS PALMITATIS MEDIUM****Solution A:**

NaCl	20.80	g
KCl	0.77	g
NH <sub>4</sub> Cl	1.00	g
KH <sub>2</sub> PO <sub>4</sub>	0.10	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.20	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.02	g
Na-acetate x 3 H <sub>2</sub> O	1.36	g
Trace element solution (see medium 141)	10.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	860.00	ml

**Solution B:**

MgCl <sub>2</sub> x 6 H <sub>2</sub> O	10.60	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	1.50	g
Distilled water	50.00	ml

**Solution C:**

Na <sub>2</sub> CO <sub>3</sub>	1.00	g
Distilled water	20.00	ml

**Solution D:**

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

Na <sub>2</sub> -fumarate	8.00	g
Distilled water	50.00	ml

Sparge *solution A* with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for 30 – 45 min to make it anoxic, distribute under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. *Solution B* is autoclaved separately under 100% N<sub>2</sub> gas atmosphere. *Solution C* is prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. *Solutions D* 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 *E* are added to the sterile *solution A* in the sequence as indicated. Adjust pH of complete medium to 6.9, if necessary. Prior to inoculation medium is reduced by addition of 10 - 20 mg sodium dithionite per liter (e.g. from 5% (w/v) solution, freshly prepared under N<sub>2</sub> and filter-sterilized).

*Note: For transfers use 5 - 10% (v/v) inoculum.*