

**1485. DESULFONATRONUM ALKALITOLERANS MEDIUM****Solution A:**

NaCl	6.0	g
K <sub>2</sub> HPO <sub>4</sub>	1.0	g
NaHCO <sub>3</sub>	32.0	g
Na <sub>2</sub> CO <sub>3</sub>	10.6	g
Na <sub>2</sub> SO <sub>4</sub>	2.8	g
Na-acetate	0.2	g
Distilled water	950.0	ml

**Solution B:**

Trace elements solution (see medium 1369)	1.0	ml
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**Solution C:**

Selenite-tungstate solution (see medium 385)	1.0	ml
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**Solution D:**

NH <sub>4</sub> Cl	0.2	g
Distilled water	10.0	ml

**Solution G:**

MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.2	g
Distilled water	10.0	ml

**Solution F:**

Yeast extract	20.0	mg
Distilled water	10.0	ml

**Solution G:**

Na-formate	3.4	g
Distilled water	10.0	ml

**Solution H:**

Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.30	g
Distilled water	10.00	ml

Dissolve ingredients of *solution A* except carbonates, sparge with 100% N<sub>2</sub> gas for 30 - 45 min to make it anoxic, then add bicarbonate and carbonate, adjust pH to 9.0, dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave.

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Prior to inoculation complete the medium by adding appropriate amounts of sterile *solutions B to H* prepared under 100% N<sub>2</sub> gas atmosphere. Adjust pH of the complete medium to 8.7 – 9.0, if necessary.