

612. DESULFOSARCINA CETONICA MEDIUM**Solution A:**

KH ₂ PO ₄	0.70	g
NH ₄ Cl	0.30	g
Na ₂ SO ₄	2.80	g
MgCl ₂ x 6 H ₂ O	1.70	g
CaCl ₂ x 2 H ₂ O	0.05	g
NaCl	10.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	940.00	ml

Solution B:

Trace element solution SL-10 (see medium 320)	1.00	ml
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Solution C:

Na-butyrate	1.20	g
Distilled water	10.00	ml

Solution D:

Na ₂ CO ₃	1.00	g
Distilled water	20.00	ml

Solution E:

Na ₂ S x 9 H ₂ O	0.30	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 min), then distributed under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclaved. *Solutions B, C* and *E* are autoclaved separately under 100% N₂ gas atmosphere. *Solution D* is autoclaved under 80% N₂ and 20% CO₂ gas atmosphere. To complete the medium appropriate amounts of *solutions B* to *E* are added to the sterile *solution A* in the sequence as indicated. Final pH of the medium should be 7.2 – 7.4.