

667. DESULFALLAS THERMOSAPOVORANS MEDIUM**Solution A:**

Na ₂ SO ₄	3.00	g
KH ₂ PO ₄	0.20	g
NH ₄ Cl	1.00	g
NaCl	8.00	g
MgCl ₂ x 6 H ₂ O	0.40	g
KCl	0.50	g
CaCl ₂ x 2 H ₂ O	0.15	g
Trace element solution SL-10 (see medium 320)	1.50	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-acetate	0.50	g
Na-butyrate	2.20	g
Yeast extract	0.40	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	900.00	ml

Solution B:

NaHCO ₃	5.00	g
Distilled water	100.00	ml

Solution C:

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

Na ₂ S x 9 H ₂ O	0.20	g
Distilled water	5.00	ml

Solution E:

Na ₂ S ₂ O ₄ (sodium dithionite)	10.00	mg
Distilled water	0.50	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 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 C* and *E* are prepared under 100% N₂ gas atmosphere and sterilized by filtration. *Solution D* is autoclaved under 100% N₂ gas. 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 at 7.0 - 7.2.