

347. SYNTROPHOMONAS SAPOVORANS MEDIUM**Solution A:**

Mineral solution (see medium 212)	50.00	ml
Trace element solution SL-10 (see medium 320)	1.00	ml
Rumen fluid, clarified (see medium 1310)	50.00	ml
Trypticase peptone (BD BBL)	1.00	g
PIPES (SIGMA)	15.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	780.00	ml

Solution B:

Na ₂ CO ₃	1.50	g
Distilled water	30.00	ml

Solution C:

Vitamin solution (see medium 503)	1.00	ml
-----------------------------------	------	----

Solution D:

Na-laurate	2.78	g
Distilled water	25.00	ml

Solution E:

CaCl ₂ x 2 H ₂ O	1.84	g
Distilled water	10.00	ml

Solution F:

L-Cysteine-HCl x H ₂ O	0.30	g
Distilled water	10.00	ml

Solution G:

Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	10.00	ml

Dissolve ingredients of *solution A*, adjust pH to 7.0, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. *Solution B* is filter-sterilized and then equilibrated with 80% N₂ and 20% CO₂ gas mixture for at least 15 min. *Solution C* is prepared under 100% N₂ gas and sterilized by filtration. *Solutions D, E, F* and *G* are autoclaved under 100% N₂ gas. To complete the medium, appropriate amounts of the *solutions B* to *G* are added to *solution A* in the sequence indicated. Adjust pH of complete medium to 7.2, if necessary.