

836. DESULFITOBACTERIUM FRAPPIERI MEDIUM

KH ₂ PO ₄	0.27	g
K ₂ HPO ₄	0.35	g
NH ₄ Cl	0.53	g
MgCl ₂ x 6 H ₂ O	0.10	g
FeCl ₂ x 4 H ₂ O solution (0.1% w/v in 0.2 N HCl)	2.00	ml
CaCl ₂ x 2 H ₂ O	0.07	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Yeast extract	1.00	g
Na-pyruvate	6.05	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	3.50	g
Na ₂ SO ₃	0.63	g
Na ₂ S x 9 H ₂ O	0.05	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, sulfite and sulfide), adjust pH of solution to 7.0 and sparge with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to use add sulfite and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas atmosphere. The stock solution of sulfite should be freshly prepared and sterilized by filtration. Prior to use check pH of complete medium and adjust to 7.5, if necessary.

For [DSM 13498](#) supplement medium with 3.00 g/l Na-formate.