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
Na$_2$CO$_3$ 0.50 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 carbonate, sulfite and sulfide), adjust pH of solution to 7.0 and sparge with 100% N$_2$ 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% N$_2$ gas and carbonate from a sterile anoxic stock solution prepared under 80% N$_2$ and 20% CO$_2$ gas atmosphere. The stock solution of sulfite should by 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.