395b. FERVIDICOCCUS MEDIUM

NH_4Cl	0.33	g
KH_2PO_4	0.33	g
KCl	0.33	g
$CaCl_2$ x 2 H_2O	0.44	g
$MgCl_2$ x 6 H_2O	0.70	g
NaCl	0.50	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Yeast extract (OXOID)	0.50	g
Na-resazurin solution (0.1% w/v)	0.50	ml
$NaHCO_3$	0.80	g
Trypticase peptone (BD BBL)	2.00	g
Vitamin solution (see medium 141)	10.00	ml
Na_2S x 9 H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, Trypticase, vitamins and sulfide), then sparge medium with 80% N_2 and 20% CO_2 gas mixture for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add Trypticase, vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N_2 gas atmosphere and bicarbonate from a sterile anoxic stock solution prepared under 80% N_2 and 20% CO_2 gas mixture. Vitamins are sterilized by filtration. Adjust pH of complete medium to 6.0 - 6.1, if necessary.

For DSM 16532 replace Trypticase peptone with 5.00 g/l soluble starch as substrate.