501: FERVIDOBACTERIUM ISLANDICUM MEDIUM

$(NH_4)_2SO_4$	1.30	g
KH_2PO_4	0.28	g
$MgSO_4$ x 7 H_2O	0.25	g
$CaCl_2$ x 2 H_2O	0.07	g
$FeCl_3$ x 6 H_2O	0.02	g
Allen's trace element solution	10.00	ml
Yeast extract (BD Bacto)	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
D-Glucose	2.00	g
Na_2S x 9 H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except glucose and sulfide), adjust pH at room temperature to 7.0 and sparge medium with 100% N_2 gas for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add glucose and sulfide from sterile anoxic stock solutions prepared under 100% N_2 gas. Prior to inoculation check pH and adjust to 7.0, if necessary.

Allen's trace element solution (from medium 88)

$MnCl_2$ x 4 H_2O	180.00	mg
$Na_2B_4O_7$ x 10 H_2O	450.00	mg
$ZnSO_4$ x 7 H_2O	22.00	mg
$CuCl_2$ x 2 H_2O	5.00	mg
Na_2MoO_4 x 2 H_2O	3.00	mg
$VOSO_4$ x 2 H_2O	3.00	mg
$CoSO_4$ x 7 H_2O	1.00	mg
Distilled water	1000.00	ml

Adjust pH of final solution to 2 with 1 N HCl.