

## 501. FERVIDOBACTERIUM ISLANDICUM MEDIUM

$(\text{NH}_4)_2\text{SO}_4$	1.30	g
$\text{KH}_2\text{PO}_4$	0.28	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	0.25	g
$\text{CaCl}_2 \times 2 \text{ H}_2\text{O}$	0.07	g
$\text{FeCl}_3 \times 6 \text{ H}_2\text{O}$	0.02	g
Allen's trace element solution (see medium 88)	10.00	ml
Yeast extract (BD Bacto)	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
D-Glucose	2.00	g
$\text{Na}_2\text{S} \times 9 \text{ H}_2\text{O}$	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%  $\text{N}_2$  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%  $\text{N}_2$  gas. Prior to inoculation check pH and adjust to 7.0, if necessary.