

1278. ARCHAEOGLOBUS SULFATICALLIDUS MEDIUM

HEPES	4.76	g
NaCl	20.00	g
NaSO ₄	4.00	g
MgCl ₂ x 6 H ₂ O	4.30	g
NH ₄ Cl	0.25	g
KCl	0.34	g
CaCl ₂ x 2 H ₂ O	0.14	g
KH ₂ PO ₄	0.14	g
Trace element solution (see medium 141)	10.00	ml
Na-DL-lactate	2.00	g
Yeast extract (OXOID)	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Vitamin solution (see medium 141)	10.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except vitamins and sulfide), adjust pH to 6.8 – 7.0 and sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of volume and autoclave. Add vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Vitamins should be sterilized by filtration. Adjust pH of complete medium to 7.0, if necessary.