

1083. ACIDULIPROFUNDUM MEDIUM

NaCl	30.00	g
MgSO ₄ x 7 H ₂ O	3.50	g
MgCl ₂ x 6 H ₂ O	2.75	g
CaCl ₂ x 2 H ₂ O	0.38	g
KCl	0.33	g
NaBr	0.05	g
(NH ₄) ₂ SO ₄	0.10	g
KH ₂ PO ₄	0.28	g
Wolfe's mineral elixier (see medium 792)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Na ₃ -citrate	2.94	g
Yeast extract	1.00	g
Tryptone (BD Bacto)	1.00	g
Sulfur, powdered	10.00	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	g

Dissolve ingredients (except sulfur and sulfide) and sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials containing already the appropriate amount of powdered sulfur and autoclave for 60 min at **105°C**. Prior to inoculation add sulfide from a sterile anoxic stock solution prepared under 100% N₂ gas and adjust pH of complete medium to 4.5.