

807. HALOANAEROBIUM ALCALIPHILUM MEDIUM

MgSO ₄ x 7 H ₂ O	17.00	g
NaCl	100.00	g
Solution A	50.00	ml
Solution B	50.00	ml
Trace element solution (see medium 320)	10.00	ml
Resazurin	1.00	mg
Yeast extract	10.00	g
Trypticase	10.00	g
Glucose	5.00	g
Na ₂ S x 9 H ₂ O	0.25	g
NaHCO ₃	4.10	g
Cysteine-HCl x H ₂ O	0.50	g
Distilled water	890.00	ml

pH 7.0

Solution A

K ₂ HPO ₄	6.00	g/l
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Solution B

KH ₂ PO ₄	6.00	g
(NH ₄)SO ₄	6.00	g
NaCl	12.00	g
MgSO ₄ x 7 H ₂ O	2.60	g
NH ₄ Cl	2.50	g
CaCl ₂ x 2 H ₂ O	0.28	g
K ₂ HPO ₄	0.28	g

Prepare the medium without yeast extract, glucose, NaHCO₃, cysteine hydrochloride and Na₂S x 9 H₂O. Boil and then cool under a gas atmosphere of N₂:CO₂ (80:20 v/v) and add the NaHCO₃ and cysteine hydrochloride. Autoclave the medium and add from sterile stock solutions yeast extract, trypticase, glucose, and Na₂S x 9 H₂O. The final pH should be 7.0.