

1149. OCEANITHERMUS MEDIUM

K ₂ HPO ₄	0.780	g
KH ₂ PO ₄	0.750	g
Trace element solution (see below)(see medium 318)	10.000	ml
Vitamin solution (see below)	10.000	ml
MgCl ₂ x 6 H ₂ O	0.360	g
CaCl ₂ x 2 H ₂ O	0.100	g
NH ₄ Cl ₂	0.530	g
Na ₂ SO ₄	0.140	g
NaCl	20.000	g
Yeast extract	2.000	g
NaNO ₃	20	mM
Distilled water	1000.000	ml

Add after autoclaving:

0.6 M NaHCO ₃ solution	100.000	ml
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Adjust to pH 6.5

Trace element solution:

Nitrilotriacetic acid (NTA)	12.800	g
FeCl ₃ x 6 H ₂ O	1.350	g
MnCl ₂ x 4 H ₂ O	0.100	g
CoCl ₂ x 6 H ₂ O	0.024	g
CaCl ₂ x 2 H ₂ O	0.100	g
ZnCl ₂	0.100	g
CuCl ₂ x 2 H ₂ O	0.025	g
H ₃ BO ₃	0.010	g
Na ₂ MoO ₄ x 2 H ₂ O	0.024	g
NaCl	1.000	g
NiCl ₂ x 6 H ₂ O	0.120	g
Na ₂ SeO ₃ x 5 H ₂ O	0.026	g
Distilled water	1000.000	ml

Vitamin solution:

Biotin	2.000	mg
Folic acid	2.000	mg
Pyridoxine-HCl	10.000	mg
Thiamine-HCl x 2H ₂ O	5.000	mg
Riboflavin	5.000	mg
Nicotinic acid	5.000	mg
D-Ca-pantothenate	5.000	mg

Vitamin B ₁₂	0.100	mg
p-Aminobenzoic acid	5.000	mg
Lipoic acid	5.000	mg
Distilled water	1000.000	ml