ASW (Artificial Seawater) + Barley

Stocks		**per litre**
(1)	Extra salts:	
	$NaNO_3$	15.00 g
	Na_2HPO_4	0.60 g
	K_2HPO_4	0.50 g
(2)	Vitamin solution:	
	Biotin	0.0002 g
	Calcium pantothenate	0.02 g
	Cyanocobalamin	0.004 g
	Folic acid	0.0004 g
	Inositol	1.0 g
	Nicotinic acid	0.02 g
	Thiamine HCl	0.1 g
	Thymine	0.6 g
(3)	Soil Extract 1 (See SE1 Recipe)	

Medium	**per litre**
Tricine	0.50 g
Stock solution 1	7.50 ml
Stock solution 2	2.50 ml
Stock solution 3 (SE1)	25.00 ml

Make up to 1 litre with filtered natural seawater.* Adjust pH to **7.6 – 7.8** with 1M NaOH or 1M HCl. Add **1 grain of barley to each 25 ml** of prepared medium prior to autoclaving. Autoclave at 15 psi for 15 minutes.

*Alternatively, use deionised water to 1 litre and 33.6 g "Ultramarine Synthetica" sea salts.**

Supply

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Reference

L. Provasoli; J. J. A. McLaughlin; M. R. Droop (1957). The development of artificial media for marine algae. , 25(4), 392–428. – adapted for CCAP

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