L1

add the following stock solutions to 900 ml of filtered seawater (0,1µm) and fill up to 1 liter

Components	Stock Solution	Addition per Litre of Culture Medium
1. **$NaNO_3$**	75.00 g / l dH_2O	1 ml
2. **NaH_2PO_4 x H_2O**	5.00 g / l dH_2O	1 ml
3. **Vitamin Solution**		1 ml
Vitamin B12	0.20 mg / l dH_2O	
Biotin	1.00 mg / l dH_2O	
Thiamine-HCl	100.00 mg / l dH_2O	
Niacinamide	0.10 mg / l dH_2O	

pH of the Vitamin Solution should be around pH 7.0

4. **Trace Metals** 1 ml

4.1. Preparation of Trace Metal Solution

Na_2EDTA x 2 H_2O : 4.36 g

$FeCl_3$ x 6 H_2O : 3.15 g

Dissolve in 1000 ml dH_2O, then add 1 ml of Primary Trace Metals each (see below).

Primary Trace Metals are stored frozen as 1 ml aliquots.

4.2. **Primary Trace Metals**

4.2.1. K_2CrO_4	0.194 g / 100 ml dH_2O
4.2.2. $CoCl_2$ x 6 H_2O	1.00 g / 100 ml dH_2O
4.2.3. $CuSO_4$ x 5 H_2O	0.25 g / 100 ml dH_2O
4.2.4. $MnCl_2$ x 4 H_2O5	18.00 g / 100 ml dH_2O
4.2.5. Na_2MoO_4 x 2 H_2O	1.89 g / 100 ml dH_2O
4.2.6. $NiSO_4$ x 6 H_2O	0.27 g / 100 ml dH_2O
4.2.7. H_2SeO_3	0.13 g /100 ml dH_2O
4.2.8. Na_3VO_4	0.184 g /100 ml dH_2O
4.2.9. $ZnSO_4$ x 7 H_2O	2.20 g / 100 ml dH_2O