

**1313. MARINE AMMONIUM MINERAL SALTS****Solution A:**

NaCl	20.000	g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	1.000	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.200	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.000	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	0.002	g
Na <sub>2</sub> WO <sub>4</sub> x 2 H <sub>2</sub> O	0.003	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.020	g
Trace element solution SL10	1.000	ml
Distilled water	900.000	ml

Adjust the pH to 7.2 if needed with NaOH/HCl

**Solution B:**

KH <sub>2</sub> PO <sub>4</sub>	0.36	g
K <sub>2</sub> HPO <sub>4</sub>	2.34	g
Distilled water	100.00	ml

Autoclave solution A and B separately and combine after cooling. Add 1ml/litre of filter sterilized vitamin solution V10

**Trace element solution SL10**

HCl (concentrated)	5.000	ml
FeCl <sub>2</sub> x 4 H <sub>2</sub> O	1.500	g
ZnCl <sub>2</sub>	0.070	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.200	g
H <sub>3</sub> BO <sub>3</sub>	0.006	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.190	g
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	0.002	g
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.024	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.036	g
Distilled water	1000.000	ml

## Vitamin Solution V10

p-aminobenzoic acid	0.30	g
Biotin	0.02	g
Nicotinic acid	0.20	g
Calcium pantothenate	0.10	g
Pyridoxine dihydrochloride	0.50	g
Lipoic acid	0.05	g
Folic acid	0.05	g
Cyanocobalamin	0.10	g
Thiamine	0.20	g
Riboflavin	0.10	g
Distilled water	1000.00	ml

Filter sterilize and store in the dark at 4°C.