

# Trace Metal Solution for ESW Media Version 2

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## Abstract

Trace metals solution to be used in ESW Media for Marine Phytoplankton

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## Before start

Trace Metal Solution amounts are per ONE LITER, MilliQ H<sub>2</sub>O. Prepare stock volumes according to individual need.

## Protocol

TM Solution, amounts per one Liter

### Step 1.

CuSO<sub>4</sub>

📋 AMOUNT

10 mg Additional info:

📝 NOTES

**Ashley Humphrey** 16 Nov 2016

Amounts of each will be combined into one liter MilliQ H<sub>2</sub>O

TM Solution, amounts per one Liter

### Step 2.

ZnSO<sub>4</sub>

📋 AMOUNT

22 mg Additional info:

TM Solution, amounts per one Liter

### Step 3.

CoCl<sub>2</sub>

☐ AMOUNT

10 mg Additional info:

TM Solution, amounts per one Liter

**Step 4.**

$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$

☐ AMOUNT

180 mg Additional info:

TM Solution, amounts per one Liter

**Step 5.**

$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$

☐ AMOUNT

6 mg Additional info:

TM Solution

**Step 6.**

Bring to one liter MilliQ  $\text{H}_2\text{O}$

TM Solution

**Step 7.**

Filter sterilize with 0.2  $\mu\text{m}$  filter and store in dark at 4°C