

0.5M NH₄Cl

Matthew Sullivan Lab

Abstract

Supplement to seawater for growth of cyanobacteria.

Citation: Matthew Sullivan Lab 0.5M NH₄Cl. **protocols.io**

dx.doi.org/10.17504/protocols.io.c77zrm

Published: 30 Nov 2015

Guidelines

Note:

Matt suggested higher concentrations of NH₄Cl so only need to use 0.5 ml per 1 L seawater:

1.6 M NH₄Cl 2.14g/25ml or 8.56g/100ml

Use 500µl per 1L seawater

Protocol

Step 1.

Weigh out 2.67g NH₄Cl using dust-free weigh paper

Step 2.

Transfer into 100mL volumetric flask filled with about 60mL Milli-Q water

Step 3.

Dissolve NH₄Cl by inverting flask several times

Step 4.

Adjust volume to 100mL mark with Milli-Q water

Step 5.

Using a polycarbonate syringe, filter through 0.2µm syringe filter (Acrodisc, Pall #2006-01) into sterile container in a laminar flow hood

Step 6.

Store sterile stock at 4°C