

0.025M NaH₂PO₄·H₂O

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Abstract

Supplement to seawater for growth of cyanobacteria.

Citation: Matthew Sullivan Lab 0.025M NaH₂PO₄·H₂O. **protocols.io**

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Guidelines

Matt suggested higher concentrations of NaH₂PO₄·H₂O so only need to use 0.5 ml per 1 L seawater:

0.1 M NaH₂PO₄·H₂O 0.345g/25ml or 1.38g/100ml

Use 500µl per 1L seawater

Protocol

Step 1.

Weigh out 0.345g NaH₂PO₄·H₂O using dust-free weigh paper

Step 2.

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

Step 3.

Dissolve NaH₂PO₄ 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 into sterile container in a laminar flow hood.

Step 6.

Store sterile stock at 4°C