

# 10g/L Fe Stock Solution

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## Abstract

10g/L Fe Stock Solution for Iron Chloride Precipitation of Viruses from Seawater Protocol.

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## Guidelines

### Notes:

Solution is acidic and should be handled with care.

Discard solution if a cloudy precipitate forms. Do not dilute solution as iron hydroxide precipitate will form quickly.

For use on board ship, it is best to pre-weigh iron chloride into 50ml centrifuge tubes and add water as needed during the cruise: pre-weigh 0.966g  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$  into several 50ml tubes. Add 20ml MQ- $\text{H}_2\text{O}$  when ready to precipitate viruses in seawater.

## Materials

 Iron(III) chloride hexahydrate [236489](#) by Contributed by users

## Protocol


### Step 1.

Measure out 4.83g  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ .

 **AMOUNT**

5 g Additional info:

 **REAGENTS**

 Iron(III) chloride hexahydrate [236489](#) by Contributed by users

### Step 2.

Dissolve  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$  in 100ml MilliQ water.

 **AMOUNT**

100 ml Additional info:

### Step 3.

Store at room temperature or 4°C.