NOV 14, 2017

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.ks7cwhn

Protocol Citation: Haven Himmighoefer 2017. 0.5 M EDTA (0.5 L). **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.ks7cwhn>

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Protocol status: Working
 We use this protocol and it's working

Created: Nov 14, 2017

Last Modified: Feb 12, 2018

PROTOCOL integer ID:
 8767

Keywords: EDTA, TBE

0.5 M EDTA (0.5 L)

In 1 collection

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ABSTRACT

Is used in a multitude of experiments, but is often used as an ingredient in 10x TBE buffer

MATERIALS

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Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate Fisher Scientific Catalog #S311-500

Sodium Hydroxide Fisher Scientific Catalog #BP359-500

SAFETY WARNINGS

Will be using NaOH pellets, make sure to wear gloves.

BEFORE START INSTRUCTIONS

Make sure you are able to use the pH machine and an autoclave machine

1 Fill 0.5 L bottle with 300mL of deionized water.

- 2 Add 95.05 g of Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate to the water and mix. The pH will be about 3 at this points. The pH needs to be at 8.
- 3 Add NaOH pellets until the pH is at 8. This will be about 105 pellets. Can check if at 8 with pH machine or with pH paper.
- 4 Once at pH 8, fill to 500 mL.
- 5 Autoclave under setting 12 with water in the container to prevent over boiling.