

TRIS buffer

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Abstract

This protocol describes how to make TRIS buffer (TRIS-HCl) at a 1M concentration and a pH 8.0

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Guidelines

This protocol describes how to achieve a TRIS buffer at a pH 8.0. If a lower pH is required, i.e. pH 7.4, then add more hydrochloric acid until desired pH is reached

Materials

Tris Base, Molecular Biology Grade, 2,500g H5135 by [Promega](#)

Hydrochloric acid [H1758](#) by [Sigma Aldrich](#)

Protocol

Step 1.

Add 121.14g of TRIS base to 800 mL of triple distilled H₂O

Step 2.

Stir solution on magnetic plate using magnetic flea until TRIS base completely dissolved

Step 3.

Using a pH meter, adjust pH of solution to pH 8.0 by adding concentrated hydrochloric acid (HCl)

Step 4.

Add triple distilled H₂O to bring final volume of solution to 1 L

Step 5.

Autoclave

Warnings

Read SDS for TRIS base and Hydrochloric acid prior to use.