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TRIS buffer

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Protocol status: Working

We use this protocol and it's working

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Abstract

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

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

MATERIALS

 Tris Base, Molecular Biology Grade, 2,500g **Promega Catalog #H5135**

 Hydrochloric acid **Merck MilliporeSigma (Sigma-Aldrich) Catalog #H1758**

Safety warnings

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



- 1 Add 121.14g of TRIS base to 800 mL of triple distilled H₂O
- 2 Stir solution on magnetic plate using magnetic flea until TRIS base completely dissolved
- 3 Using a pH meter, adjust pH of solution to pH 8.0 by adding concentrated hydrochloric acid (HCl)
- 4 Add triple distilled H₂O to bring final volume of solution to 1 L
- 5 Autoclave