Resuspension Buffer P1

Qiagen

Abstract

This is a 0.05M Tris-Cl (pH 8.0), 0.01M EDTA resuspension buffer containing RNase A

Citation: Qiagen Resuspension Buffer P1. **protocols.io**
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Guidelines

Storage condition - 4°C after adding RNase A.
Note: Buffer compositions are given per liter of solution. Buffer calculations are based on Tris Base adjusted to pH 8.0 with HCl (Tris-Cl). Not recommended to be made with Tris-HCl due to acidity of solution (EDTA-Na_2-$2H_2O$ needs a pH above 8.0 to dissolve), but if Tris-HCl is used, amount should be adjusted for correct molarity (0.05M) and NaOH should be used to bring pH up to 8.0. This buffer may be autoclaved prior to addition of RNase A or it may be 0.2 µm filter-sterilized.

Protocol

Step 1.
Dissolve 6.06g Tris Base in 800 mL MilliQ water

REAGENTS
Tris Base BP152-1 by Fisher Scientific

ANNOTATIONS
Chris Upton 12 Oct 2015
Isn't this usually made from stock Tris and EDTA solutions?
Bonnie Poulos 12 Oct 2015
It can be made either way depending on what you have available in the lab. Some find it easier to use stock solutions, but it is not necessary as long as final pH is adjusted.

Protocol
Step 2.
Add 3.72g EDTA disodium salt, dihydrate to the 800 mL Tris base and stir to dissolve

AMOUNT
6 g Additional info:

REAGENTS
EDTA, disodium salt, dihydrate S312-500 by Fisher Scientific

Protocol
Step 3.
Adjust the pH to 8.0 with HCl

Protocol

Step 4.

Adjust the volume to 1 liter with MilliQ water

Protocol

Step 5.

Add 100mg RNase A per liter of buffer P1

AMOUNT

100 mg Additional info: