Apr 06, 2019

In devel.

1. RNA isolation for tissue

Forked from 1. RNA isolation for tissue

Sze-Xian Lim[1], Chin Yee Tan[1]

[1]Duke University

dx.doi.org/10.17504/protocols.io.zu7f6zn

1 Homogenization in TriZol
Add 1mL of Trizol reagent per 30mg of tissue and homogenize using handheld homogenizer

2 Incubate at RT for 5 mins to allow nucleoprotein complexes to dissociate

3 Add 1/5 the volume of trizol of chloroform carefully, and vortex to mix well

4 Spin down at max speed, chilled centrifuge for 15 minutes

5 Carefully remove the top aqueous phase and transfer to a new Eppendorf tube
The interphase and bottom organic phase can be saved for DNA and protein respectively

6 To the aqueous phase, add 500 microliters of 100% isopropanol, mix by inversion and incubate at -20C for a minimum for 2hrs

7 Spin down at max speed for 30 minutes to precipitate RNA

8 Remove supernatant, and add 1mL of 75% Ethanol to wash the pellet

9 Spin down at max speed for 15 minutes and remove supernatant

10 Resuspend pellet in appropriate volume of nuclease free water