1. RNA isolation for tissue V.1

Forked from 1. RNA isolation for tissue

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

Protocol Citation: Sze-Xian Lim, Chin Yee Tan 2019. 1. RNA isolation for tissue.
protocols.io https://dx.doi.org/10.17504/protocols.io.zu7f6zn

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Protocol status: In development
We are still developing and optimizing this protocol

Created: Apr 06, 2019
Homogenization in TriZol
Add 1mL of Trizol reagent per 30mg of tissue and homogenize using handheld homogenizer

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

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

Spin down at max speed, chilled centrifuge for 15 minutes

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

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

Spin down at max speed for 30 minutes to precipitate RNA

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