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PROTOCOL STATUS

In development

We are still developing and optimizing this protocol

- 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
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Resuspend pellet in appropriate volume of nuclease free water

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