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In devel.

RNA Isolation for Tissue using TRIzol

Version 1

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1 Add **1 ml TRIzol** per **30 mg tissue** and homogenize using handheld homogenizer.

2 Incubate at **25 °C** for **00:05:00** to allow nucleoprotein complexes to dissociate.

3 Add **200 µl chloroform** ([M]**20 Volume Percent TRIzol**) carefully and vortex to mix well.

4 Centrifuge at max speed for **00:15:00** at **4 °C** .

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 Add **500 µl 100% isopropanol** to the aqueous phase, mix by inversion and incubate at **-20 °C** for a minimum of **02:00:00** .

7 Spin down at maximum speed for 30 mins to precipitate RNA.

8 Remove supernatant, and add **1 ml** of [M]**75 Volume Percent ethanol** to wash pellet.

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

10 Resuspend pellet in appropriate volume of nuclease free water.