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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** (**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 **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.



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