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In devel.

# RNA Isolation for Tissue using TRIzol

Version 2

Sze-Xian Lim[1]

[1]Duke University

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Sze-Xian Lim

1 Add **1 ml TRIzol** of TRIzol per **30 mg tissue** of 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** of chloroform to each ml of 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** of 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** 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.