PEN ACCESS	
Apr 07	¹ Duke University
1	Homogenization in TriZol Add 1 ml of Trizol reagent per 30 mg of tissue and homogenize using handheld homogenizer
2	Incubate at RT for © 00:05:00 to allow nucleoprotein complexes to dissociate
3	Add 1/5 the volume of Trizol (-0.2 ml) of chloroform carefully, and vortex to mix well

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 3-20 °C for a minimum for **© 02:00:00** Spin down at max speed for **© 00:30:00** s to precipitate RNA 8 Remove supernatant, and add 11 ml of 75% Ethanol to wash the pellet Spin down at max speed for **© 00:15:00** and remove supernatant

Spin down at max speed in a chilled centrifuge for © 00:15:00

Resuspend pellet in appropriate volume of nuclease free water

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