RNA Isolation – Tissues

1. Rapidly thaw homogenized tissue in Trizol. Keep on ice
2. Perform all steps in group of 4 to insure equal treatment of samples
3. Aliquot 1ml of sample into 1.7ml eppendorf tube
4. Add 0.2ml chloroform per 1ml of Trizol (per tube)
   Shake vigorously by hand for 15 seconds
   Incubate 4ºC for 15 minutes
5. Spin 12,000rpm/15mins at 4ºC
6. While samples spin label new tubes
7. Transfer 0.45ml of cold isopropanol to 0.45ml aqueous phase. Incubate 4ºC/15mins
8. Spin 15 mins/4ºC
9. Decant sup. Wash pellet with 1ml 95% ethanol
10. Vortex. Spin 10mins/4ºC
11. Decant sup. Air dry RNA pellet
12. Dissolve pellet in 100µl DEPC water
13. Add 3 volumes of 100% ethanol (300µl)