RNA Isolation (TRIZOL method)

01. Wash sample with PBS or MQ.
02. Homogenize sample in 1ml Trizol (50-100mg sample)
03. R.T. incubation for 10min and 14K for 10min at 4 °C.
04. Add 200µl chloroform to supernatant (1/5 volume of trizol).
05. R.T. incubation for 3-5min and 12k for 15min at 4 °C.
06. Add 1 volume PCI to supernatant, 15k for 5min at 4 °C.
07. Add 1 volume (500µl) isopropanol to supernatant.
08. R.T. 10-15min and 12k for 10-15min at 4 °C.
09. Dry and redissolve in 400µl DEPC MQ.
10. Add 1ml (2.5volume) 100% EtOH and 40µl 3M NaOAc.
11. 14K for 10min at 4 °C.
12. Wash with 75% EtOH.
13. Air dry pellet for 10min. and dissolve in 20-50µl DEPC water.
14. Heat for 10min at 60 °C to help dissolve RNA.

 # 6, 9-11, 14 are optional.