



Technogene Total RNA Extraction Kit

Components of the kit:

- TG Lysis solution (CN: RG-LS), 1 vials 50 mL
- TG Washing solution (CN: RG-WS), 1 vials 25 mL
- TG Si-Nano (CN:RG-NanoT)
- Elusion Buffer (CN: RG-EB), 1 vials 10 mL
- High purification column
- Collecton Tube

*Reagent Not Provided: Chloroform

procedure

1. Add appropriate sample to 2mL microtube(20-40 mg homogenized tissue, 200-400µL Blood or at least $1-2 \times 10^6$ cell cultures)
2. Add 800µL of TG Lysis solution to the microtube.
3. Incubate for 3 mins at room temprature .
4. Add 400 µL chloroform and shake for 20 s (by hand) and then incubate 5 mins at room temprature
5. Spin 15 mins at 15000 RCF at 4°C
6. Transfer as much as possible supernatant (maximum 700µL) at new microtube
7. Add 100 µL Si-Nano and mix by inversion for 20 seconds
8. Transfer the mixture to the High purification column.
9. Spin column in 4000 RCF for 1 min
10. Discard transferred solution.
11. Add 700 µL TG Washing solution to the column and then spin at 6000 RCF for 1 mins.
12. Discard transferred solution
13. Spin column in 15000 RCF for 2mins (to drying the column)
14. Transfer column to new RNase free microtube
15. Add 50 µl of Elusion Buffer or DEPC-treated water, wait 3 mins at room temprature. If you want more concentration, add less DEPC-treated water (40 µl).
16. Centrifuge the column in 15000RCF for 1min .

Safety directions: The lysis solution is tissue hazard material, hence, in the cases of contact with skin, eyes, ETC, wash with water and refer to the hospital for additional medications.



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