Quick-RNA™ MiniPrep

- Sample Lysis
  - Remove media and lyse cells in 300μL (up to 5x10^6 cells) or 600μL (>5x10^6 cells) RNA Lysis Buffer by scraping
  - Put in 1.5mL tub

- Sample Clearing and gDNA Removal
  - Centrifuge lysate at 13,000g for 1min
  - Transfer the supernatant into a **Spin-Away Filter** in a Collection Tube and centrifuge at 13,000g for 1min
    - Save the flow-through

- RNA Purification
  - Add 1 volume ethanol (95-100%) to the sample in **RNA Lysis Buffer** (1:1). Mix well.
  - Transfer the mixture to a **Zymo-Spin IIICG Column** in a Collection Tube and centrifuge for 30 seconds. Discard the flow-through
  - **In-column DNase I Treatment** (optional)
    - Add 400μL **RNA Wash Buffer** to the column and centrifuge for 30sec. Discard the flow-through
    - Add 80μL **DNase I reaction mix** directly to the column matrix. Incubate at room temp for 15min, then centrifuge for 30 sec

For each sample:	
DNase I	**5μL**
10X DNase I Reaction Bffr	**8μL**
DNase/RNase-Free Water	**3μL**
RNA Wash Bffr	**64μL**

  - Add 400μL **RNA Prep Buffer** to the column and centrifuge for 30 sec, discard the flow-through
  - Add 700μL **RNA Wash Buffer** to the column and centrifuge for 30 sec, discard the flow-through
  - Add 400μL **RNA Wash Buffer** and centrifuge the column for 2min
  - Place the column in RNase-free tube. Add 30μL **RNase-Free Water** directly to the column, centrifuge at 16000g for 30sec
  - Nanodrop RNA