

## **Trizol RNA Extraction**

Add 500 uL of trizol reagent to 150 uL of cell extract (1mL per  $5 \times 10^6$  cells or per 100mg tissue)

Add 25 ug Yeast carrier tRNA (2.5 uL from 10 ug/uL stock) (only needed if you expect low RNA yield)

Incubate at RT for 5 minutes

Add 100 uL (200uL/mL) Chloroform and shake for 15 seconds

Incubate at room temperature for 3 minutes

Centrifuge at 12K for 15 minutes at 4 C

Remove aqueous phase (~200 uL) and combine with with 500 uL isopropyl alcohol

Incubate at room temperature for 10 minutes

Centrifuge at 14K for 5 minutes at 4 C

Wash with 500 ul 75% ethanol and spin down at 10K for 5 mins at 4 C

Aspirate supernatant and air dry pellet

Resuspend the pellet in 7 uL RNA loading buffer and run on a 6% Urea-TBE gel