

- Announcements
- Quiz
- Working with RNA
- Today in Lab (Mod 2 Day 6)

Announcements

- Back to longer FNT... you might also start researching your mouse gene of interest
- Avoid paper, gloves in sharps bins!
 - Unless used to pick up glass

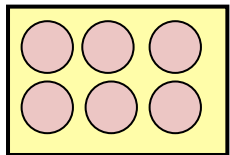
RNA isolation

- Collect cells
 - Lyse all cells in passive lysis buffer (PLB) directly in 6-well plate → Luc compatible
 - Lyse *only* RNA sample cells in RLT buffer
 - Homogenize over column
- Isolate RNA
 - Use silica gel columns that bind RNA > 200 bp, thus enrich for mRNA
 - Use chaotropic salt buffers, ethanol precipitation



M2D6 Workflow

1. Cell lysis



Wells with
MES cells

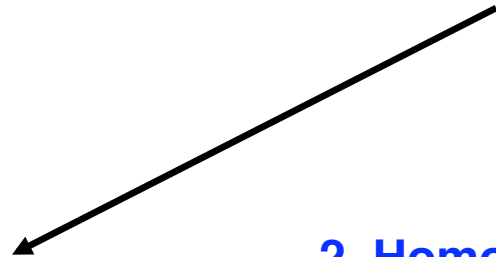
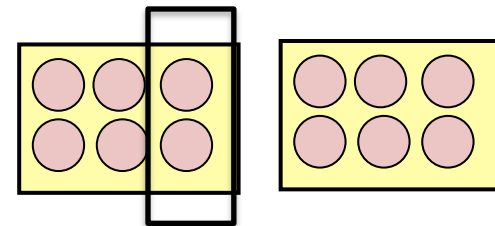
Take pictures



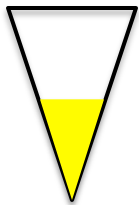
... then add PLB



Wait 15 min, on shaker



2. Luminescence
assays for 10 samples



2. Homogenize, collect
RNA from 2 samples



www.qiagen.com

Measure RNA: A_{260} , A_{280}