Gene Expression (mRNA) analysis by RT-PCR: Experimental Prep and Data analysis

1. Dissect/Homogenize tissue
2. Fluorescence Cell Sorting
3. Extract and precipitate RNA
4. Make complementary DNA (cDNA)
5. Track PCR w/ dsDNA Fluorescent Sensor

**Raw Data: Curve Shape**
- Exponential phase
- Plateau (bases used up)
- Limit of detection

**Raw Data: Calibration Curves**
- Fluorescence vs. Cycle #
- 10ng, 1ng, 100pg, 10pg