**LM041-1: equate # cells to [total protein]**

In the development of the HNE ELISA, I need to estimate total protein in a lysate whose lysis buffer is incompatible with BCA. I will get around this by counting various numbers of cells, lysing them in RIPA, and quantifying them on BCA. I will repeat this experiment three times and average the resulting concentrations.

1. Trypsinize and count cells.
2. Pipet the following numbers of cells into tubes:
   1. 10k, 25k, 50k, 75k, 100k, 200k, 300k, 400k, 500k, 600k, 700k, 800k, 900k, 1M
3. Spin the cells down at 300 x g 5min RT.
4. Aspirate media.
5. Pipet 100uL RIPA onto the pellet and vortex gently to mix.
6. Quantify lysates on BCA.
7. Average all reps together for each cell count.