1. Create ATP Assay Reaction Mixture (RM)
   1. Make 500 uL 1x Det Assay
      1. Mix 100 uL 4x Det Assay, 400 uL Nuclease Free Water, 8.5 uL DTT
      2. Add 500 uL of this to reaction mixture
   2. Add 2.50 uL of D-Luciferin (3 mg in 100 uL)
   3. Add 0.50 uL Luciferase
2. Add 30 uL RM to 3 uL sample
3. Let sit for 15 minutes
4. Collect data in biotek
   1. Excitation: 350, emission: 560, gain: 60
   2. Excitation: 350, emission: 640, gain: 60
   3. From ‘firefly\_luminescence\_protocol.prt’ protocol

\*Note this was wrong for this assay, should have been doing luminescence instead