1. Create ATP Assay Reaction Mixture (RM)
   1. Make 1 mL 1x Det Assay
      1. Mix 200 uL 5x Det Assay, 800 uL Nuclease Free Water, 17 uL DTT
      2. Add 1 mL of this to reaction mixture
   2. Add 5 uL of D-Luciferin (3 mg in 100 uL)
   3. Add 1 uL Luciferase
2. Add 30 uL RM to 3 uL sample
3. Let sit for 15 minutes
4. Collect data in biotek
   1. Collect Luminescence Endpoint, Gain 135 and 215
   2. From ‘20201102\_firefly\_luminescence\_protocol.prt’ protocol
5. Gain 135 is plotted

ATP Detection Sample Buffer was also used in this case to get sample wells with known ATP concentrations. Instructions are found in the ‘20201102\_exp9\_atpassaycalibration.xlsx’ file and should be the same as found here: <https://www.caymanchem.com/pdfs/700410.pdf>