**ATP Assay Option 1**

<https://www.caymanchem.com/pdfs/700410.pdf>

This assay uses firefly luciferase to convert ATP and luciferin to oxyluciferin and light. The light emitted in this reaction is directly proportional to the concentration of ATP present. Using the ATP Detection Standard, quantitative measurement of ATP content can be achieved with a dynamic range of 12 fmol to 10 pmol of ATP

* Massive range
* Will need to aliquot out a bit of sample since ATP will be manipulated, measure on biotek

Can we order this? How to know it’s the best one?

**ATP Assay Option 2 from Biotek**

<https://www.biotek.com/resources/docs/Clarity_ATP_Concentrations_Using_Clarity_App_Note.pdf>

* Does the same thing as option1

**Translational Reporter**

From biocircuits wiki: <https://www.cds.caltech.edu/biocircuits/index.php/TX-TL_characterization:_Test_conditions_and_metrics>

Positive Control - pR(pLambda):UTR1:deGFP:T500 on ColE1 (pBEST/IA\_v1-1) backbone

* UTR1 (U32), deGFP (C41), T500 (T11)

How to order this? How to know it’s the best one/has been tested?

**ATP Synthase Genes**

<https://www.sciencedirect.com/science/article/pii/S0022283611009673> - **isolate plasmid from this paper**

How long does it take to get DNA deliveries? I am still reading up on what template I want.

**Other**

Cleaning protocols…