SUMO Assay Kit

Group E Weekly Report — April 26 to April 30

Work Completed

- This week we are planning to create more proteins in preparation of next week's work.
- Designed a protocol for mock inhibition studies, where our final goal is to determine the effects of introducing a competitive inhibitor. The inhibitor we are using in this experiment will be untagged UBC9, and when introduced into a vial with both tagged UBC9 and SUMO1, we should see a reduced FRET RFU values. In the design of the protocol we are creating a set of vials with all an equal amount of tagged UBC9 and SUMO1 based on a FRET ratio previously determined. From there we will add in varying amounts of untagged UBC9 and run them through the Flexstation2 and determine the results.

Future Work

- Begin running mock inhibition studies
- Begin on kit assembly
  - Figure out how to design the manual