

The Department of Chemistry

FlexStation 3 Multi-Mode Microplate Reader: 8-channel automated pipettor that can read multiwell plates in absorbance, luminescence, fluorescence and fluorescence polarization modes.

Located in JM Smith Chemistry, room 433 | Contact Daniel L Baker dlbaker@memphis.edu

The FlexStation3 instrument combines an 8-channel automated pipetting head with a multiwell microplate reader that is capable of collecting data in absorbance, luminescence, fluorescence and Fluorescence polarization modes.

These capabilities cover many assays used in modern biochemical research. The instrument is capable of collecting data as endpoint or kinetic reads, as well as spectral and well scan modes. This instrument contains an 8-channel pipetting head that allows analysis of 6-96 well plates. Automated methods can be built that include linear plate shaking and temperature control. Additional information regarding this systems' capabilities can be found [here](#).



Usage Policy

The FlexStation 3 instrument is available to users across campus that require the ability to do multiwell plate analysis (especially over short time scales or that require specific automated reagent pipetting) for absorbance, luminescence, fluorescence, and fluorescence polarization as discussed above. There is no charge for instrument access, however users will be required to purchase appropriate pipet tips, as well as reagent and read plates for their experiments (the only non-sample consumables beyond specific assay requirements needed for operation). Chemistry and Non-Chemistry users are asked to contact Dr. Daniel Baker, Associate Professor of Chemistry (dlbaker@memphis.edu) to discuss instrument capabilities, access (mostly during business hours but also by appointment as necessary), and training.