

## Setting up Kinetics Runs in Fluorescence

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### Kinetics parameters:

#### Monochromators menu

- Set Excitation and Emission wavelength

#### Detector menu

- Set S1 or S1/R1
- Increment: (time resolution)
  - Default value = 100ms
  - Shortest allowable = 1ms
- Integration time (controls S/N)
  - Value must be  $\leq$  Increment
- Total time
  - # points = Total time/increment
- Shutter control
  - Clicking the 'Anti photobleaching' option will close shutter when not integrating. This option only works if dark period > 5 sec.

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If you want to take full emission scans (rather than photometric measurements) with a time delay in between them, you can do the following:

### Emission Scan parameters:

#### Detectors menu

- Set Cycles = total # of scans you want to take
- If Cycles > 1, then the box next to it becomes selectable:
  - Default = No delay
  - Time Delay: the 'Delay' box under it becomes active and you can enter in a desired # of seconds to wait in between scans.
  - Manual Delay: a splash screen appears at the end of each scan, and prompts you to start the next scan.