

# Trilogy™ Fluorometer

## QUICK START GUIDE (For model 7200-000)

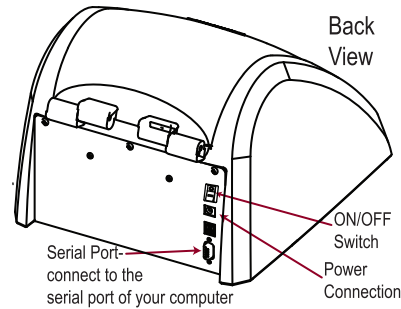
Thank you for your interest in the Trilogy. We are committed to customer satisfaction. If you need any assistance, application scientists are available to answer your questions. This is a Quick Start Guide to help you set up the Trilogy so you can run your samples and retrieve data as quickly as possible.

## Necessary Equipment and Supplies



### 1 Connections

1. Connect the power supply to the Trilogy.
2. Install the Fluorescence Optical Kit.
3. Turn ON the Trilogy.
4. Connect the Trilogy to a PC using the 9-pin serial cable (optional).
5. Install the Spreadsheet Interface Software on a PC to export data from the Trilogy to an Excel spreadsheet (optional).



### 2 Optical Kit Installation/Removal

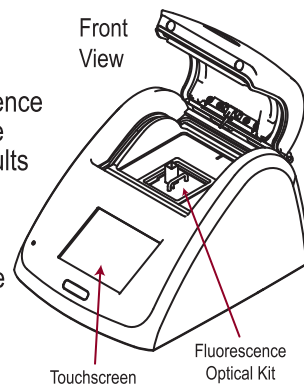
1. Turn OFF the Trilogy.
2. Grasp the handle of the Optical Kit and align it with the sample compartment. Press down to lock the Optical Kit in place.
3. Close the lid and turn ON the Trilogy.
4. Use the touchscreen to identify the type of Optical Kit.
5. Turn OFF the Trilogy before removing the Optical Kit. Grasp the handle and gently pull up to release the kit from the sample compartment.



### 3 Measure Samples

#### Raw Fluorescence Mode

1. A calibration is not necessary to measure fluorescence with the Trilogy. Simply use the Raw Fluorescence Mode to measure your samples. The Trilogy defaults to the Raw Fluorescence Mode upon power up.
2. Insert a cuvette containing your sample and touch "Measure Fluorescence" to obtain the fluorescence of the sample in fluorescent standard units (FSU).
3. Generate a standard curve to calculate the concentration of analyte in the sample (optional).



### 3 Measure Samples (continued)

#### Direct Concentration Mode

1. Direct Concentration Mode requires a calibration to provide direct concentration data for your sample analysis. Prepare at least one standard solution and one blank solution.
2. Touch "Calibrate," then select the unit of measure that corresponds to the concentration value for the standard.
3. Enter the blank solution, then enter as many as five standards in order of increasing concentration.
4. After the calibration is complete, insert a cuvette containing your sample. The reading corresponds to the actual concentration of the analyte.

### 4 Save Calibrations

1. You may store calibrations for future use. After the calibration is complete, you may choose to save it.
2. Enter a name for the calibration and touch "Save As."
3. Touch the "Calibrate" key on the navigation bar to retrieve a saved calibration.

### ? Retrieve Help

There are 3 quick ways to access Help.

- From the instrument touchscreen, touch the "?" button to view the Help Menu.
- From the software, click on "Help" from the toolbar and scroll down to "Support" from the drop down menu to open the *Operating Manual*.
- Go to <http://www.fluorometer.com> and click on "Support."

**TURNER**  
DESIGNS