

Overview:

The current i-LAB® measurement methods are designed to work with each of the four available i-LAB sample adaptors. When conducting an i-LAB measurement it is important to select the appropriate measurement method for the sample adaptor used. These sample adaptors are identified below and their code is included in the name of the measurement method.

The overall i-LAB measurement method name structure is:

Method_Name_XX - The Method Name identifies the methods function and the **XX** defines the appropriate sample adaptor to be used for the method. The i-LAB Sample Adaptors are defined as:

- **SM:** Samplette
- **RV:** 25mm Round Vial
- **CV:** 10mm Cuvette
- **SR:** Surface Reader

Method Flow:

The measurement methods all require that a background be run before proceeding with the sample measurement. An overview of the methods flow is listed below:

- 1) An initial background **must** be run for the adaptor being used and is used to calibrate the adaptor to the i-LAB. The method is Backg_XX and only needs to be run once for each sample adaptor. The method will ask for a blank and then a black sample.

The round vial (RV) and cuvette (CV) adaptors ship from the factory with black standards (a vial and a cuvette filled with a black dye). These are used for the black samples. The surface reader ships from the factory with a 2-sided calibrator. The white side used for the blank sample and a “black hole” side used for the black sample. **Each side of the surface reader calibrator must be held firmly over the surface reader adaptor head to ensure a proper background measurement.**

- 2) Next, methods which require a blank to be compared against have their own background method. This method needs to be run once to store the background and then again any time a new background is required.

The white side of the 2-sided surface reader calibrator should be used as the blank for the surface reader methods. The user must supply the appropriate blank solution for the liquid methods used with the round vial and cuvette adaptors.

- 3) Analysis methods can now be run multiple times and will always use the calibration data and the background from the calibration and background methods.

The following flow chart depicts the order of running each method and is the same for each adaptor:

