Collecting Using the Manual Collect Tab

The Manual Collect Tab is used to acquire a sample from one well (or tube) at a time with CSampler.



To Start Collecting

- 1. Identify your Plate Type.
- 2. Place your plate or tube rack on the CSampler and press Load Plate.
- Select a sample well in the well grid.
- 4. Configure the run settings:
 - Run Limits
 - Fluidics
 - · Threshold
- 5. Press **Run**. CSampler will move to the selected well and begin to collect.

Manual Controls

- **Backflush** and **Unclog**: CSampler will eject the arm to allow placement of an appropriate container under the SIP.
- Wash: CSampler will move the wash station to the SIP and perform one wash cycle.
- Agitate: CSampler will perform one agitation cycle.
- Calibrate Fluidics: CSampler will calibrate the fluidics system. Calibration occurs in the currently selected well.

Other Features

- AutoSave: Before collection can begin, CFlow Sampler requires a file name in order to save your data. Sample data is saved incrementally during collection.
- Run Limits: CFlow Sampler supports multiple run limits. Collection will stop when the first of the specified limits is reached.

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Ready, Set, Go!

Use Manual Collect to set gates, setup plots for viewing in Auto Collect. Also use Manual Collect to determine appropriate thresholds, best flow rates and event limit that are then entered in the Auto Collect tab.

To Set Your Plate

- 1. Identify the location of your samples by:
 - Clicking on a well

 - Clicking on Select All
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- 2. Configure your run settings for the checked wells. These include:
 - Run Limits
 - Wash settings
 - Fluidics
 - Threshold

3. Press the Apply Settings button.

- CFlow Sampler requires a file name in order to save your sample automatically during collection.
- The selected samples are now a uniform color to indicate they have the same run settings.
- 4. Repeat this process in order to collect other samples using different run settings.

Additional Controls

- 1. Agitate Plate: Specify the agitation frequency. Agitation will not interrupt sample collection. It will only occur between wells.
- Run orientation: Run Horizontally: CSampler begins at A1 and collects in a horizontal pattern through H12.

Run Vertically: CSampler begins at A1 and collects in a vertical pattern through H12.

Using the Sample Table

- Data can be pasted into the sample spreadsheet. You can populate a spreadsheet with appropriate sample names, FL names and sample notes. These cells can be copied and pasted into the sample table. You can also enter them manually.
- All data entered into this table is saved in the CFlow Sampler file.



Begin Your Automated Collection

Click on the Open Run Display button.

- 1. Autorun: Begins the automated collection cycle.
- 2. Interrupt Plate: Stops collection after completing the current well. Collection can be restarted with the next well by pressing the AUTORUN button.
- Abort Well: Stops collection immediately. Collection can be restarted with the next well by pressing the AUTORUN button.
- 4. Close Run Display: Closes the run display window.
- 5. Once **Auto Run** is pressed no changes can be made in setup or run sequence. The only change that can be made is the plot display.

Tips!

- Color compensation is a global setting. Threshold and color compensation settings carry over between the Manual Collect and Auto Collect tabs.
- After beginning an automated collection, sample settings cannot be changed until completion of the entire plate run.
- During automated collection, only one of the plots created in **Manual Collect** may be viewed at a time. This plot cannot be manipulated during collection but the view plot can be changed during **Auto Collect**.
- At any point (except during collection) you can export your current sample settings in a .csv file format. From the File menu, select the Export Sample Settings menu item.