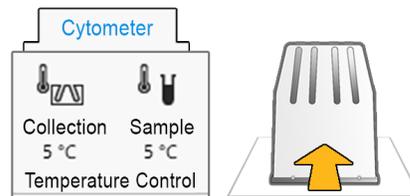
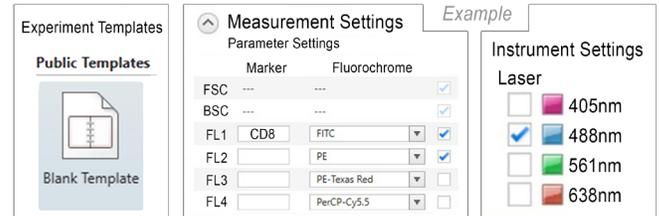


MA900 Tube Sort Guide

Create New Experiment

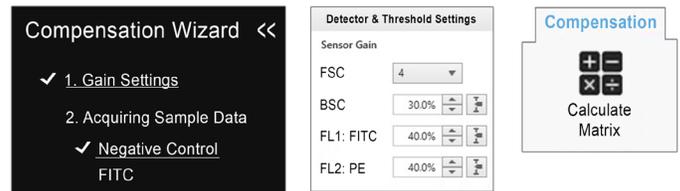
1. Ensure the MA900 is calibrated for sorting.
2. Install the collection tube holder and activate the temperature control if needed.
3. Under **File > New**, select a template (Blank or Existing).
4. Select the desired parameters and lasers (the 488-nm laser must stay ON).
5. Click **Create Experiment**.
6. Start the Compensation Wizard to run single-color controls, or run your sample.



Follow Compensation Wizard

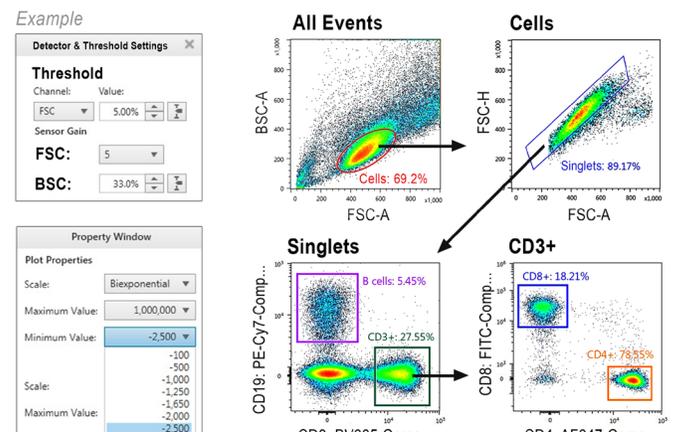
Best practice: Filter samples prior to running them on the MA900.

1. Run the unstained sample and adjust the Gain Settings.
2. Set the Recording Stop Condition to record data.
3. Go to the **Compensation** tab and click **Calculate Matrix**.
4. Click **Finish** to proceed to the first sample tube worksheet.



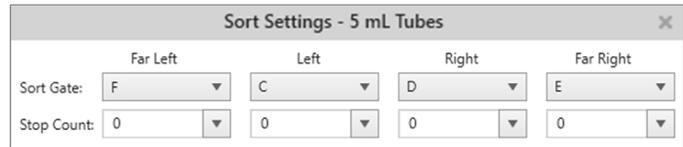
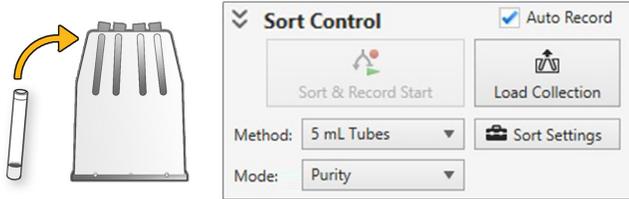
Gate Sample

1. Load your filtered sample and click **Start** to preview.
2. As needed, adjust FSC, BSC, and Threshold settings.
3. Click **Restart**, accumulative some data, and **Pause** the sample.
4. Create plots (eg **Cells > Singlets > Fluorescence plots**).
Advance options: Adjust plot scaling, do manual compensation, and create plot overlays.
5. Create Sort Gates and rename them as needed.

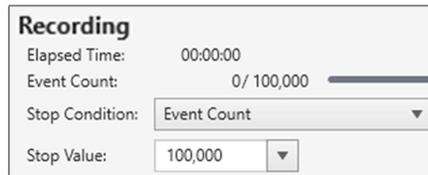


MA900 Tube Sort Guide

Sort Setup

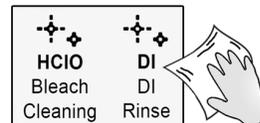


1. Place labeled tubes (with collection buffer) in the tube holder in the collection chamber and close the door.
2. Under **Sort Control**, click **Load Collection** and set Method (eg, 5 mL for 4-way sorting).
3. Set Mode (for details, see the *SH800 and MA900 Sorting Modes Guide*).
4. Open the **Sort Settings** window and assign Sort Gates (assign rare subsets to Far Left and Far Right streams).
5. Set Stop Count (0 = nonstop sorting). **Important:** Set data recording conditions.



Sorting

1. Click **Resume** and **Restart** to check Gating, Event Rate, Sample Pressure, and Droplet Breakoff.
2. Do not exceed the suggested Event Rate (for details see the *SH800 and MA900 Chip Guide*).
3. In the **Sort Control** panel, click **Sort and Record Start** to initiate sorting.
4. Monitor the Event Rate, Stream, Statistics (efficiency), and Sample and Collection Volumes. **Important:** Stop the sample before it runs dry. If needed run a purity check.
5. Clean the MA900 for the next user or shut down the MA900 and turn off the air supply.



OR

