






1 Calibrate the Sample Probe Height


1. Select  and navigate to **MAINTENANCE > PROBE HEIGHT**.
2. Select **NEW** or choose a saved plate from the **SAVED PLATES** drop-down.
3. If **NEW** was selected, select  or .

If needed, place the appropriate alignment tool in the well.

96-well or 384-well hard bottom plate	None
96-well conical (V-bottom) plate	None
96-well filter or mylar bottom plate	One 5.08 mm alignment disk
384-well filter or mylar-bottom plate	One alignment sphere





4. Select  in the lower right-hand corner of the screen to eject the plate carrier.
5. Place the off-plate reagent block on the plate carrier and place the plate on the plate holder.
6. Place a strip well in the middle row of the off-plate reagent block.
7. Verify there is no liquid in the plate, strip well, or off-plate reagent block.
8. Select  to retract the plate carrier.
9. Select **AUTO CALIBRATE** in the **PLATES**, **RESERVOIRS**, and **OFF-PLATE STRIPS** sections.

3 Define the Plate

1. Select  and navigate to **PLATE CONFIGURATION**.
2. Select **LAYOUT** and define the well locations for unknowns, standards, controls, and backgrounds.
3. Select **PANEL** and define the bead regions to be analyzed.
4. Select **ACQUISITION** and define the acquisition settings.
5. Select **RUN PLATE** to make the run pending, or select **SAVE > PLATE** to save the plate for future use.

NOTE: If the Dashboard is fully expanded, select the System Status circle once to minimize its configuration.

Run the Daily Routines

1. Select  and navigate to **MAINTENANCE > ROUTINES**.
2. Select **Daily Start-up** or **Daily Shut-down**.
3. Select .
4. Fill the reservoirs 3/4 full with the required reagents, as shown in the software.
5. Select , then .

2 Calibrate and Verify the System

Calibrate the system at least once a week and run performance verification daily. After calibration, always perform verification. Fluidics can be run as part of the cal/ver procedure, or as a standalone procedure.

NOTE: Ensure the lasers are warmed up.





1. Select  and navigate to **MAINTENANCE > CAL/VER**.
2. Select the **RUN** check boxes for **CALIBRATION**, **PERFORMANCE**, and **FLUIDICS**.
3. Choose the correct lots from the **CALIBRATION**, **PERFORMANCE**, and **FLUIDICS** drop-downs.
NOTE: Select **IMPORT KIT > SCAN** to import the lots, if necessary.
4. Select .
5. Place a strip well in the top row of the off-plate reagent block.
6. Vortex the calibration and performance verification reagents for approximately 10 seconds.
7. Fill the reservoirs 3/4 full of deionized water (DI water) and 70% isopropanol or 70% ethanol, as shown in the software.
8. Add six drops of each reagent into the designated wells, as shown in the software.
9. Select , then .

Figure 1: Calibration and Performance Verification Failure Flowchart

