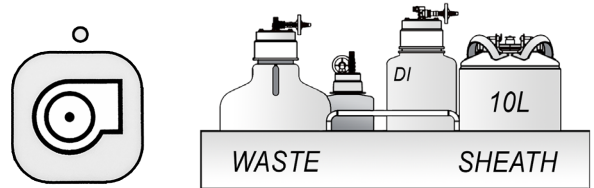


MA900 Start-Up Guide

Biosafety Cabinet and Fluids Check

1. Turn the Biosafety Cabinet's main blower ON.
Optional: Turn the AMS blower ON.
2. Fill up the sheath tank to 10 L (do not overfill).
3. Empty the waste tank and check other fluids as needed.

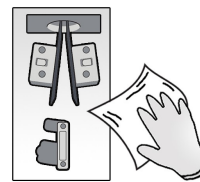


BSC

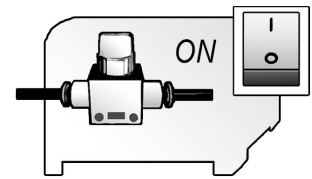
Fluids

Sort Chamber and Air Supply

1. Wipe down/de-static sort chamber surfaces.
2. Clean deflection plates and side-stream windows.
3. Remove any collection holders from the chamber.
4. Power on the air compressor/turn on the in-house air.
5. Turn the blue in-line air switch to the ON position.



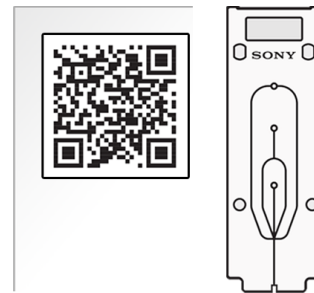
Clean



Air Supply

Instrument and Software Startup

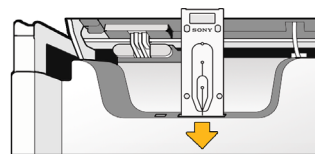
1. Power on the MA900 until STANDBY is displayed.
2. Power on the PC, log in to Windows.
3. Initialize Cell Sorter Software.
Optional: Click the Maintenance icon for additional maintenance steps.
4. Log in and scan the QR code of the sorting chip.



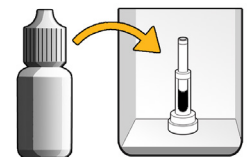
Scan Chip

Load Sorting Chip and Autocalibrate

1. Follow the wizard to load the sorting chip.
2. Check the sample line and stream as instructed.
Best Practice: De-bubble the sheath filter.
3. Use 1 mL of fresh, undiluted, well mixed Sony Auto-setup beads.
4. Allow autocalibration to complete.



Load Chip



Calibrate

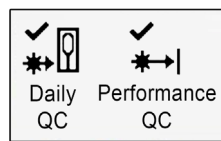
MA900 Start-Up Guide

QC and Sample Sorting

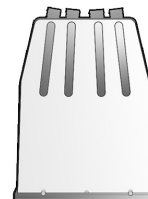
Optional: Perform Daily and Performance QC.

Optional: Clean the sample line.

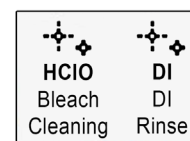
1. Sort samples into tubes/plates.
2. Perform a bleach/DI rinse for the next user.
3. Alternatively, follow the Shutdown Wizard.



QC



Sort



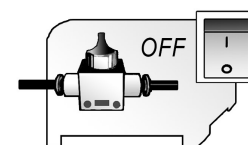
Clean

Shutdown

1. Under the Cytometer tab, follow the Shutdown Wizard to perform a bleach cleaning and shutdown rinse.
Best Practice: Empty the waste and clean the sort chamber.
2. Power off the MA900.
3. Turn off the air supply.



Shutdown



Turn off Air Supply