

DIVA Quick Reference Guide: Running Samples on the LSR II

The LSR II buttons/features are as follows:

Low, Medium, and High: Speed of sample uptake.

Start on *Low* when acquiring your first sample since you will more than likely be setting up voltages. Don't waste sample while setting up the machine.

Run: Machine will start sample uptake

Standby: No sample is being taken into the machine.

Prime: Purges out the Flow Cell to rid the machine of any bubbles or debris. Only prime when with the water tube (filled less than halfway) on the instrument.

SIP (Sample Injection Port): This is the metal probe that you put your sample tube on for acquisition.

Arm: Located below the SIP. When the arm is moved to the side, the machine will take up sample/water and move it directly to the waste at a high rate. For this reason, put your sample on and quickly move the arm back under your tube. When the arm is under your tube, the machine is performing whatever task you have selected (Standby, or Run at low, medium, or high rate).

TAKE AWAY MESSAGE: Do not put your sample on the SIP and leave the arm to the side, YOU WILL LOSE THE MAJORITY OR ALL OF YOUR SAMPLE.

To Run Sample:

1. Vortex sample.
2. Check your tube for cracks before putting it on the LSR. The tubes are pressurized in order to push sample up the SIP, if there is a crack in the tube then the tube will not pressurize and no sample will be taken up.
3. Verify that the machine is on Run.
4. Click *Acquire* on the DIVA software – Check gates, voltages, etc.
5. Click *Record*.
6. When you are done running samples put the water tube back on the SIP and hit *Prime* and put machine on *Low*.