STarSystem Maintenance Log

Month: **Year:**

STarSystem (IS Version) with Sheath Delivery System

Applied Cytometry Systems

The Maintenance Log is designed to facilitate STarSystem maintenance. Ensure that each task is performed correctly and place your initials next to the task when performed. Refer to your STarSystem user guide for additional information.

Date																					**Notes**
System Start-up Procedure:- To be performed before assay readings. Power on the LX Detector and Sheath Delivery Device before launching STarStation.																					
Perform Laser Warm-up																					Requires 30 Minutes
Verify Sample Probe Height																					
Check Sheath Fluid Level																					
Check Waste Level																					Empty Waste Bottle
Prime the system																					Check Sheath Pressure Is in the range 6-9 psi
70% Alcohol Flush																					1025µl 70% alcohol
Sheath fluid wash (x2)																					260µl of fluid per wash
Calibration**																					**if dCal is +/- 3^{0}c
System Shut Down Procedure:- These steps are vital to instrument performance (A Shutdown Script is provided in the STarStation Script Manager)																					
Sanitize with 10% Bleach																					1025µl 10% bleach
Soak with Distilled (H_20) (x2)																					260µl H_2O per soak
Turn off the system																					
Weekly maintenance																					
Calibrate																					Use CAL1 & CAL2 beads
Run Control Verification Microspheres																					Use CON1 & CON2 beads
Maintenance wash																					Removes Clogs
3x Back flushes																					Removes Debris from Cuvette
3x Drain & Fill 2x 70% Alcohol Flush																					1025µl 70% alcohol required per wash
3x Wash with distilled H_2O																					260µl H_2O required per wash
Monthly maintenance																					
Wipe exterior surfaces																					
Sanitize with 10% bleach																					1025µl 10% bleach required
4x Wash with Distilled H_2O																					Use 260µl H_2O per wash
Every 6 months																					
Replace LX100 Air Intake Filter																					