BD FACSDiva Cytometer Setup & Tracking (CST) Protocol

1. Click Cytometer > CST. The CS&T software will automatically start.

Cytometer Details View Configurations CST Performance Tracking (L) Cytometer Status Report 7/29, Catalogs Standby	ions Worksheet Cy	tometer HTS Help	-
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		Standby	
	7/29/22	9:27:27 AM	

2. Prepare CST beads. Vortex the beads stock in 4C fridge for at least 10 seconds. Add 350ul of PBS into a flow tube. Add one drop of beads stock into the tube. Vortex to mix. Label the tube with the following information: CST + Lot No. + Date

*Different systems use different types of CST beads. Please double check before you use.

3. Wait until the connection status showing "Connected".

Status		ф
Parameter	Value	
Fluidics		Standby
Plate Loader		Error
		A Comparison
		Connected

4. Check the beads Lot No.



- 5. Load the CST on the sample stage or SIP
- 6. <u>Fortessa / Symphony A5</u>:
 - 6.1 Press LO and RUN on the fluidics control panel.



6.2 Check Load Tube Manually. Click Run and OK on the CST software.



AriaSORP / Fusion:

7.

- 6.1 Check the ND filter inserted (SORP: 1.0; Fusion 1.5)
- 6.2 Click **Run** and **OK** on the CST software



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8. Notification will pop up when the CST is finished. Click **OK** and **View Report** to check the system performance.



- 9. Fortessa/ Symphony A5: Remove the CST from the SIP and load a tube of Solution 3. Return the remaining beads to the 4C fridge.
- 10. Close the CST software to return FACSDiva software.

