PROTOCOL FOR MAINTENANCE BD FACSCELESTA SORP

**CYTOMETER SETUP AND TRACKING BEADS (CS&T) – enter as administrator**

**BASELINE (every 6 months; annually done by technical service)**

* Download data for the batch of beads: [www.bdbiosciences.com/en-eu/instruments/research-instruments/resaerch-software/flow-cytometry-acquisition/facsdiva-software](http://www.bdbiosciences.com/en-eu/instruments/research-instruments/resaerch-software/flow-cytometry-acquisition/facsdiva-software)
* Paste file: D:/BD/FACSDiva/CST/beads lot
* Select Software / Cytometer / CST / Tool / Bead lots / Import / Select beads batch / OK.
* Prepare spheres: invert 5 times, vortex 1’, invert 5 times. Add 3 drops in 500 µL FACS Flow or PBS. Vortex 1’.
* Run in LOW (fine adjustment 250).
* QR = background
* BR = efficiency

**PERFORMANCE CHECK (every 2 days) – calculates CV (width peaks)**

* Select Software / Cytometer / CST / Tool / Bead lots
* Prepare spheres: invert 5 times, vortex 1’, invert 5 times. Add 1 drop in 350 µL FACS Flow or PBS. Vortex 1’.
* Run in LOW (fine adjustment 250).

**LIST OF RESPONSIBLES FOR PERFORMANCE CHECK AND DELETE OLD FCS FILES (2 MONTHS)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Main responsible | Secondary responsible | Month | Main responsible | Secondary responsible |
| 01 | Moisés L. | Marta T. | 07 | Moisés L. | Marta T. |
| 02 | Adriana Q. | Mayka | 08 | Adriana Q. | Mayka |
| 03 | Javi M. | Andrés P. | 09 | Javi M. | Andrés P. |
| 04 | Marta T. | Moisés L. | 10 | Marta T. | Moisés L. |
| 05 | María I. | Andrés P. | 11 | María I. | Andrés P. |
| 06 | Andrés P. | Javi M. | 12 | Andrés P. | Javi M. |