

Fluorescence activated Cell Sorting (FACS):

The equipment should have following specifications:

1. High Speed cell Sorter System should be quoted with 3 lasers mentioned below.
 - a. Blue Laser of 488nm
 - b. Red laser of 633 nm
 - c. Violet laser of 405nmSame instrument is future upgradable with two more lasers- true UV laser 355nm & 561nm YG lasers.
2. Same system performs 12-14 color / fluorescence output from the given 3 lasers simultaneously in addition to forwards scatter and side scatter parameters
3. All the optics of the system is fixed aligned and don't require user level alignment for day-to-day operations.
4. The system is closed architecture to avoid accidental exposure to lasers, optical paths and filter assembly.
5. The system is a cuvette-based cell sorter.
6. The system is capable of four-way sorting. Additionally, system is equipped with automated plate sorting facility in 6, 24, 48, 96, and 384-well plates
7. System will be supplied with various choice of nozzles i.e., 70um, 85um,100um,130um All nozzles are removable and can be sonicated.
8. Suitable and compatible computer workstation with advanced specifications will be supplied with the instrument.
9. A 5 KVPA online UPS with minimum 30 minutes back up-1 Qty., & color laser printer-1 Qty will be provided along with the instrument.
10. Sets of start kit will be provided along with the system
11. Warranty 3 years (1 +2) from date of installation.