

Modified technical specifications for a high-dimension 5 laser flow cytometric analyzer equipment

1. Required is a benchtop flow cytometric analyzer with 5 lasers – Blue (488nm), Red (630-642nm), Yellow green (561 nm), Violet (405nm) and Ultraviolet (355nm).
2. The equipment must have ability to detect at least 18 parameters (at least 16 fluorescence channels along with at least one forward and one side scatter) simultaneously.
3. Alignment of all the lasers and optics must be fixed.
4. The equipment should have dedicated beamspots for each of the five lasers.
5. Equipment should have capability of acquiring at least 30000events/sec.
6. Manual loading of standard 5 ml tubes should be acceptable.
7. Automated sample loader for sample analysis from 96 well and 384well plates should be provided.
8. Both basic and advanced customizable applications should be feasible on the equipment.
9. Latest workstations compatible with the supplied flow cytometer along with two monitors should be provided.
10. Offline advanced analysis software in an offline computer with at least 12gb RAM and 1 tb HDD, 19" monitor, along with all system softwares must be provided.

11. Compatible UPS for at least 30 min standby time of the supplied flow cytometer must be provided.
12. A colour laser printer should be provided compatible with offline analysis computer.
13. Starter kits and reagents, including sheath fluids, tubes, calibration beads, cleaning kit and compensation kit, should be provided.
14. One properly trained operator to run the equipment should be provided for at least three years.
15. At least two onsite training workshops for the users to be arranged after equipment installation.
16. User list along with performance or installation certificates should be provided from at least 3 academic users and at least 5 users globally of the same equipment.
17. Comprehensive warranty for three years that include replacement assurance on all hardware and software components of the equipment should be included in the quoted price. Post-warranty CMC/AMC should also be quoted.