

Technical Specifications for 6-Color Bench Top Flow Cytometer

- 1) Bench-top 2 laser (blue and red), flow cytometer with capability to simultaneously detect 6 fluorescent/color and 2 light scatter parameters with PMT based fluorescence /color detection.
- 2) All lasers should be fixed aligned, not requiring operator alignment.
- 3) Fluorescence channel sensitivity should be less than 100 MESF (Molecules of Equivalent Soluble Fluorochrome) for FITC and PE.
- 4) System should be able to resolve 0.2-micron particles using light scatter.
- 5) Sample Acquisition rate should be at least 35,000 events/second.
- 6) The instrument should be able to run and analyze samples with a minimum volume of 50ul prepared sample.
- 7) Sample carryover should be <0.05 %
- 8) System should have automated software-controlled fluidics startup and shutdown procedures
- 9) System must be upgradable to walk away automation capable of 30 or more tubes
- 10) System should at least 10 installations in Government Institutes across India
- 11) Company must have training center for basic to advance flow cytometry training (documentary evidences must be provided)
- 12) Microsoft Windows based operating system with computer (latest & compatible), and compatible 23" monitor should be provided.
- 13) Three (3) years of warranty with 2 years of additional AMC.

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