

Automated Cell counter

Specifications

- System has facilities for bright field assay platform and minimum 2 slots for Fluorescent filter and image analysis to perform counting for cells in suspension.
 - Compatibility to use light filters like GFP, RFP, CFP, DAPI, Texas Red, Cy5 and YFP etc. and each filter should be quoted separately.
 - Equipped with qualitative & quantitative measurements of transfection efficiencies, Expression analysis, Cell viability (live, dead, and total cells)etc. and Cell counting .
 - Utilize images to find and visualize cells, and then quantify fluorescence from each cell.
 - 5 megapixel camera with auto focusing features
 - Compatible interface for documentation & visualization & captured image processing in .CSV format.
 - Responses to minimum volume of cell suspension
 - Facility to use single slide for multiple times.
 - Processing time: should be ~15 seconds
 - Sample concentration range: $1 \times 10^4 \times 10^7$ cells/mL
 - Particle/cell diameter range: 4–60 μm (particles); 7–60 μm (cells)
 - Required sample volume: 10 μL
 - Counting Channel: Bright field/ fluorescent based counting channels.
 - Gating: Cell size gating enabling user to choose a specific cell population.
 - User interface: Capacitive touch screen and simple user interface for quick startup and programming.
 - Should have option for reusable slides.
 - Should provide 1500 slides along with the instrument.
 - Installation Base: should have more than 50 installation.
 - Warranty should be 1 year from the date of installation.
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