

BD CellView™ Image Technology

Fast and reliable real-time imaging



What is BD CellView™ Image Technology?

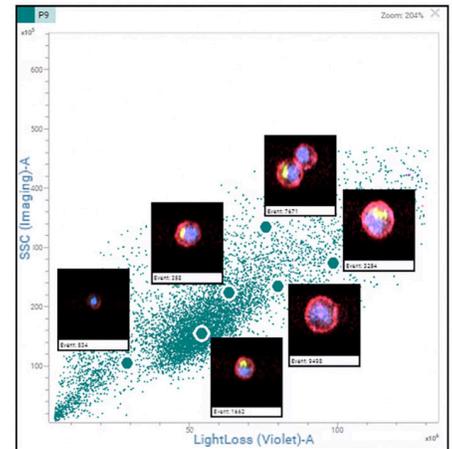
BD CellView™ Image Technology is real-time imaging (RTI) technology that combines flow cytometry data with spatial and morphological insights. The technology enables answering complex biological questions quickly, such as how cells grow, function and interact, or studying locations of viruses or proteins within a cell. The technology seamlessly integrates image and flow data on each event and can easily visualize the image for acquisition. It enhances fluorescence activated cell sorting (FACS) with live visual inspection of target cells and novel gating strategies based on real-time image feature analysis using spatial distribution of fluorescence capabilities.

How does real-time imaging work?

In contrast to camera-based technologies that combine imaging and flow cytometry, BD CellView™ Image Technology does not use a camera to image cells, which enables imaging at much faster rates. Camera-based technologies are limited by closely controlled fluidics and cannot be used for high-speed droplet cell sorting. BD CellView™ Image Technology deploys an optical multiplexing approach to image cells using the electrical and optical components used in flow cytometers.

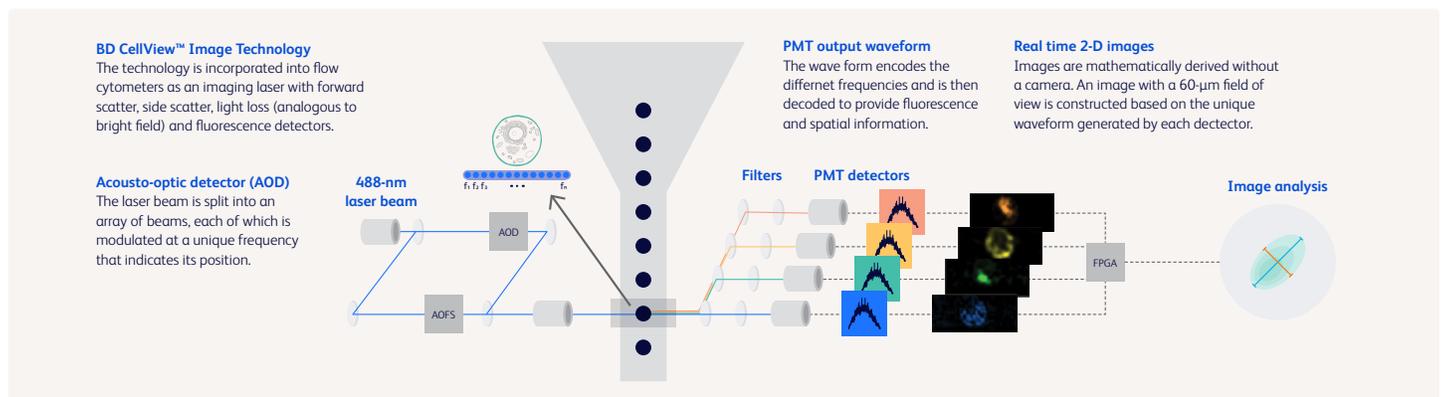
Why is it important?

This method allows faster throughput than camera-based technologies. The image data can be acquired and quantified in real time at high speed for analysis and sorting as the sample is being acquired. Although imaging in flow is not a completely new concept, it is severely limited by throughput. With BD CellView™ Image Technology, that barrier is broken and cell images can be seen real-time at flow cytometry speeds.



See cells like never before and obtain detailed information that was previously invisible in traditional flow cytometry experiments.

Principles of BD CellView™ Image Technology



Unlock cellular secrets with BD CellView™ Image Technology on the BD FACSDiscover™ Platform family of instruments



BD FACSDiscover™ A8 Cell Analyzer



BD FACSDiscover™ S8 Cell Sorter

BD flow cytometers are Class 1 Laser Products. For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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