

FlowCam® 8100

A New Platform for Dynamic Imaging Particle Analysis (DIPA)



See What You've Been Missing

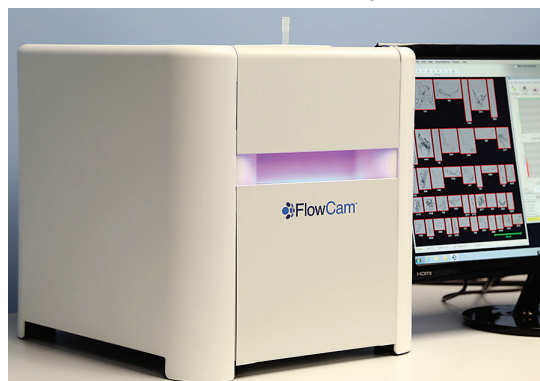
Based on proven FlowCam DIPA technology, the new FlowCam 8100 represents the next-generation FlowCam platform. The key new features of this platform are:

- AutoSampler compatible
- Automated self-rinsing and cleaning
- Faster camera (higher throughput)
- Improved illumination
- Interchangeable quick-connect flow cell holder
- Integrated pipette-based sample port

The FlowCam® Difference:

- Superior image quality = more accurate measurements
- Higher sensitivity = detect more particles accurately
- VisualSpreadsheet® software = intuitive, interactive sorting and filtering of particle images and data

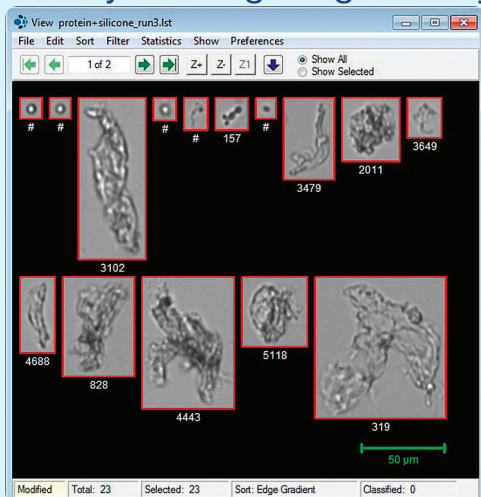
FlowCam 8100 DIPA System



Typical FlowCam® 8100 Applications

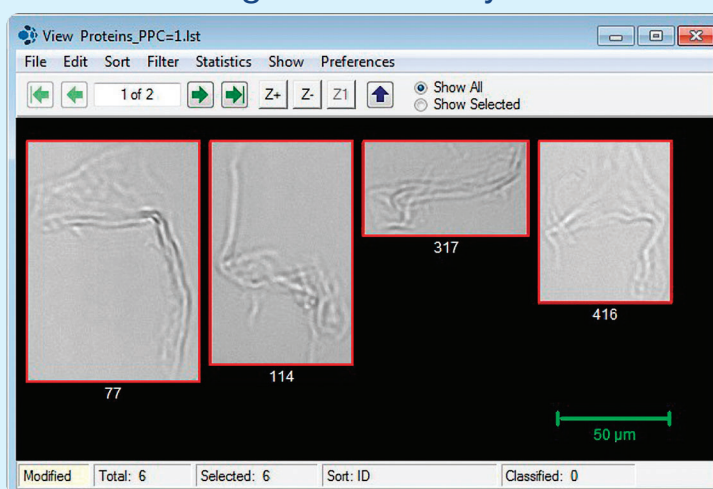
- Detection & Measurement of Protein Aggregates and Other Particulates
- Formulation Research & Development
- QC Diagnostics
- Stability Studies and Shelf-Life Simulation

Industry-Leading Image Quality



Better image quality yields more accurate measurements.

Highest Sensitivity



Sensitivity is especially important for protein aggregates, which can be both darker and lighter than the background.

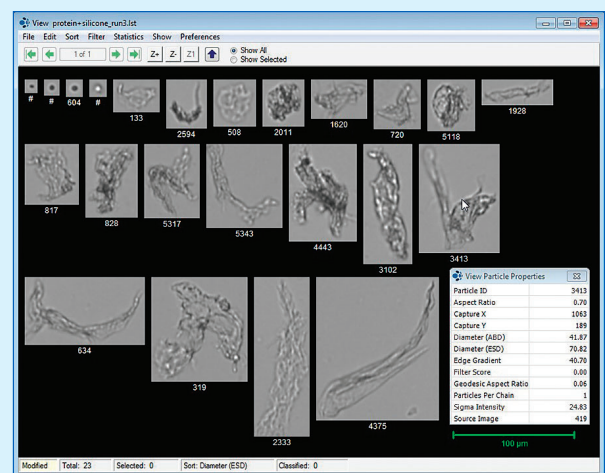
FlowCam® 8100

Particle Count	Yes
Concentration	Yes
Particle Size (ESD)	Yes
Measured Parameters	<p>Basic Shape Parameters: Area, Aspect Ratio (width/length), Area Based Diameter (ABD), Equivalent Spherical Diameter (ESD), Length, Volume (ABD-based), Volume (ESD-based), Width</p> <p>Advanced Morphology Parameters: Area (Filled), Circle Fit, Circularity, Circularity (Hu), Compactness, Convex Perimeter, Convexity, Elongation, Fiber Curl, Fiber Straightness, Geodesic Aspect Ratio, Geodesic Length, Geodesic Thickness, Perimeter, Roughness, Symmetry</p> <p>Gray Scale and Color Measurements: Average Blue, Average Green, Average Red, Edge Gradient, Intensity, Blue/Green Ratio, Red/Blue Ratio, Red/Green Ratio, Edge Gradient, Intensity, Sigma Intensity, Sum Intensity, Transparency</p>
Particle Size Range	1µm to 100µm
Technology	Dynamic Imaging Particle Analysis
Image Type	8-bit Grayscale TIFF (Monochrome Camera) or 24-bit Color TIFF (Color Camera)
Fluidics	High precision, computer controlled syringe pump
Minimum Sample Volume	100µL
Frame Rate	Up to 40 frames/sec
Sampling Efficiency	Up to 85%
Software	<p>VisualSpreadsheet® Software: Patented Interactive Scattergram® (allows selecting of particles directly from any graph or scattergram), automated value and statistical pattern recognition, interactive image-based filtering and sorting, up to 4 simultaneous histograms/scattergrams displayed (from 16 total available), direct export of all data and summary data to Excel (or any other spreadsheet), print to PDF, automatic classification, and filtering during acquisition.</p>

See What You've Been Missing... Request a FREE sample analysis.

Simply send us your fluid or dry sample, and we will provide:

- A Web-based interactive presentation of the results.
- Histograms and scattergrams showing the size and distribution of particles.
- An Excel spreadsheet with all the measurement data, including count, length, width, and ESD.
- Digital images of the cells and particles in your sample.



Protein Aggregates imaged by FlowCam 8100

Call us at 207.289.3200 or submit your request on-line at www.fluidimaging.com.