

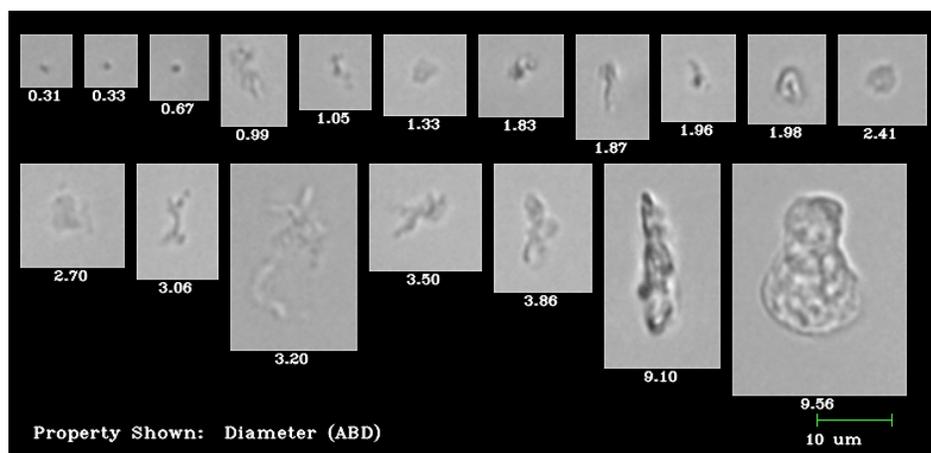
FlowCam[®] Nano

Nano-Flow Imaging[™] Analysis for Parenteral Drugs



Introducing the FlowCam Nano by Fluid Imaging Technologies, the first ever nano-flow imaging particle analysis system.

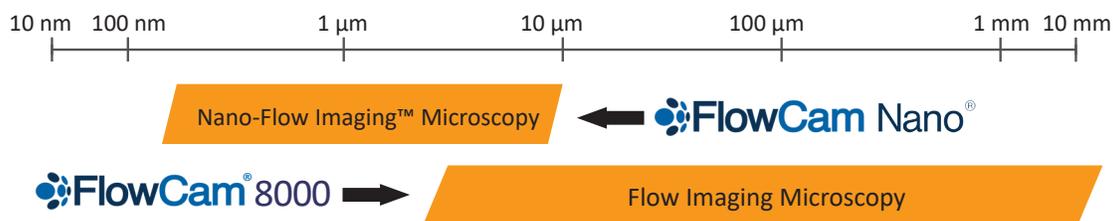
The FlowCam Nano features a patented oil immersion, flow imaging technology paired with our industry-leading image analysis software VisualSpreadsheet[®] to provide you with the most comprehensive particle analysis research and development tool for parenteral drug analysis.



- Image and analyze particles ranging 300 nm to 10 μm in size
- Obtain relative quantifications of intrinsic, extrinsic and inherent particles in parenteral drugs
- Use morphological data to identify the structure and nature of contaminants and improve product development

(Above) Particulate within a parenteral drug, ranging from 310 nm to 9.6 μm in size, as imaged by the FlowCam Nano. Diameter (μm) of each particle is noted beneath the each image. Particles can be sorted by 40+ parameters, including morphological characteristics, using VisualSpreadsheet[®].

Extending visual particle analysis below 1 μm



FlowCam Nano Specifications

Method	Oil immersion flow microscopy
Size Range	300 nm to 10 μm
Minimum Sample Volume	20 μl
Magnification & Flow Cell	40X magnification with 50 μm flowcell
Numerical Aperture (NA)	1.4 NA
Camera's Field of View	150 μm height x 200 μm wide
Camera Frame Rate	Up to 120 frames per second
Focus Method	Manual
Flow Rate	0.02 mL/minute
Image Format/Type	TIFF/ 8-bit Grayscale