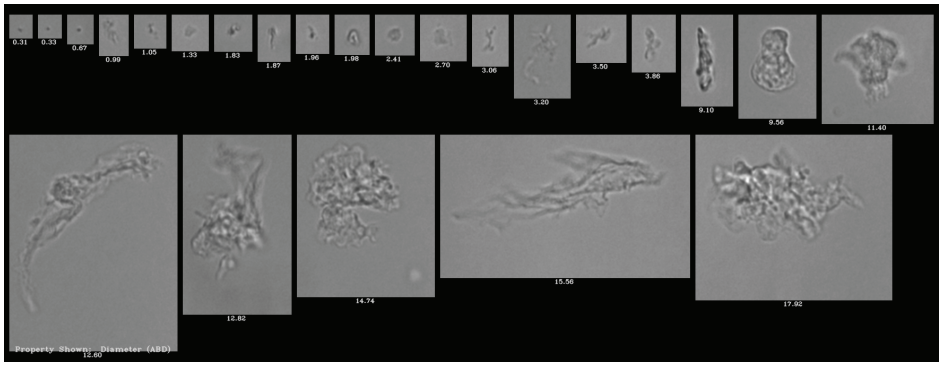
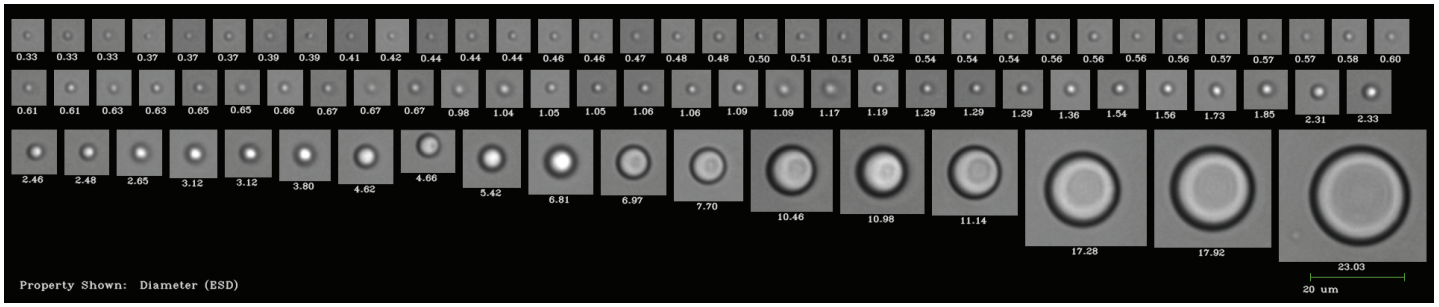
FlowCam Nano®

Nano-Flow Imaging® Analysis for Parenteral Drugs

Introducing the FlowCam Nano® by Fluid Imaging Technologies. This patented oil immersion, flow imaging technology complements our industry-leading imaging particle analysis system 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 30 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





The above images are of a parenteral sample analyzed by the FlowCam Nano. The top image shows proteins 310 nm to 17.9 µm in size and the bottom image shows silicon oil droplets 330 nm to 23 µm in size. Diameter (µm) of each particle is noted beneath the each image. Particles can be sorted by 40+ parameters, including morphological charactersistics, using VisualSpreadsheet®.

FlowCam Nano Specifications	
Method	Oil immersion flow microscopy
Size Range	300 nm to 30 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