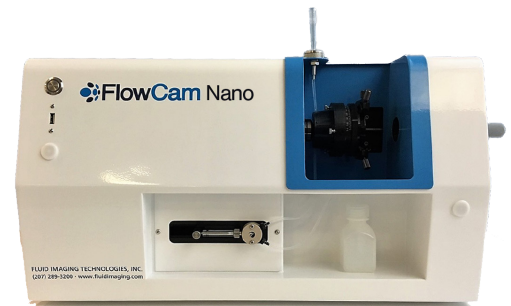


### Nano-Flow Imaging<sup>™</sup>

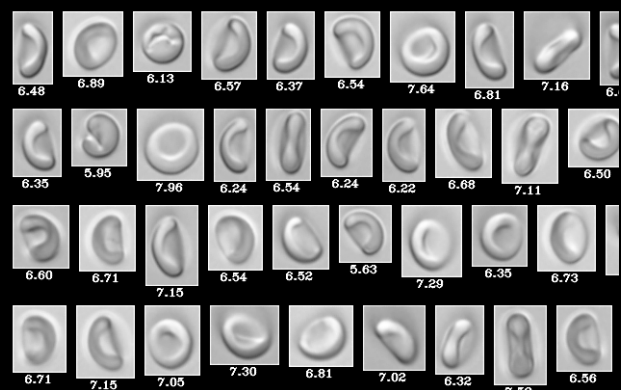
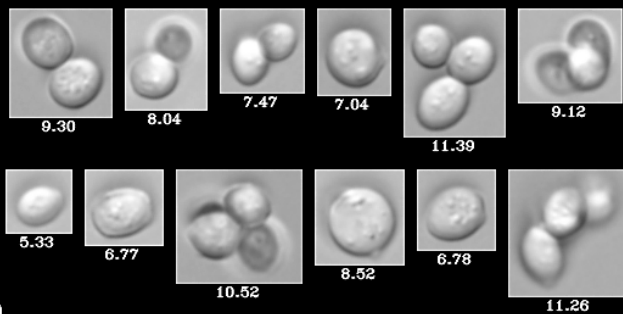
#### OVERVIEW

The FlowCam Nano features a patented oil immersion, flow imaging microscope paired with a 40x objective and our industry-leading image analysis software VisualSpreadsheet<sup>®</sup> to provide you with highly resolved images never before available for particles in this size range.

- Image and analyze particles down to 300 nm
- Distinguish between aggregates and single particles measuring the same size
- Verify particle size and sample uniformity
- Use morphological data to identify the structure and nature of extrinsic particles and improve product quality



Increased image resolution provides highly detailed images, which serve as a basis for more accurate measurements.

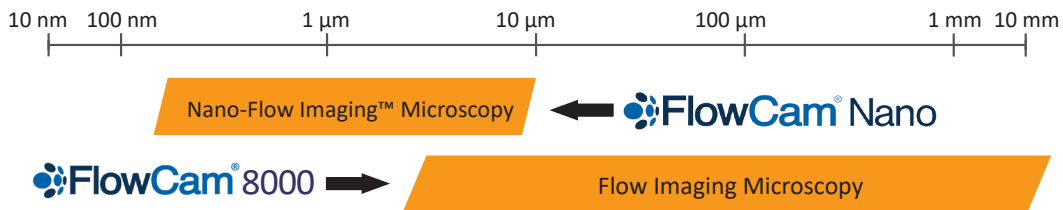


HIGH RESOLUTION IMAGES OF YEAST CELLS (LEFT) AND BLOOD CELLS (RIGHT) AS CAPTURED BY THE FLOWCAM NANO. DIAMETER ( $\mu\text{m}$ ) OF EACH PARTICLE IS NOTED BENEATH EACH IMAGE.



FlowCam Nano Specifications	
Particle Size Range	300 nm to 10+ $\mu\text{m}$
Magnification & Flow Cell	40X magnification with a 50 $\mu\text{m}$ flow cell
Method	Oil immersion flow microscopy
Minimum Sample Volume	20 $\mu\text{L}$
Measured Parameters	<p>Basic shape parameters: Area, Aspect Ratio (width/length), Area Based Diameter (ABD), Equivalent Spherical Diameter (ESD), Length, Volume (ESD-based), Width, 3 Biovolume Measurements</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 Measurements: Edge Gradient, Intensity, Sigma Intensity, Sum Intensity, Transparency</p>
Fluidics	Micro syringe pump with 0.5 mL
Numerical Aperature	1.4 NA
Camera's Field of View	150 $\mu\text{m}$ height x 200 $\mu\text{m}$ width

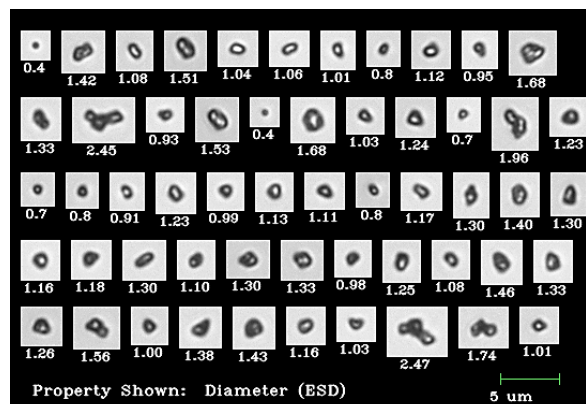
## Extending visual particle analysis below 1 $\mu\text{m}$



## Request a sample analysis

Send us your sample and we will provide:

- A web-based, interactive presentation of results
- Histograms and scattergrams showing size and particle distribution
- A Microsoft Excel spreadsheet with measurement data - count, length, width & diameter
- Digital images of the cells and particles



Diamond abrasive particles as imaged by the FlowCam Nano