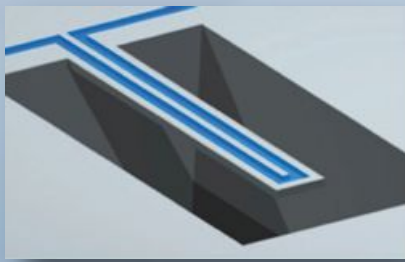
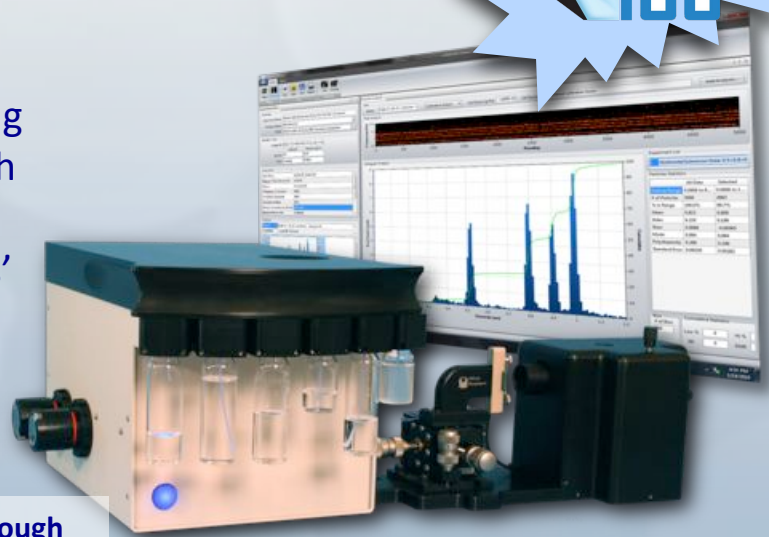
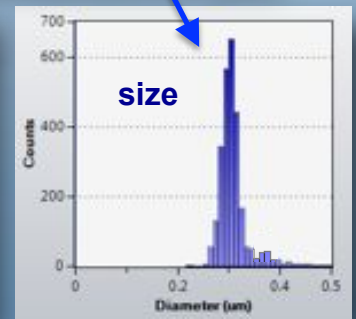
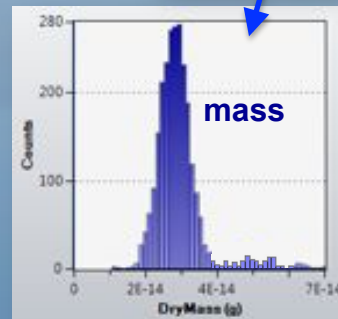
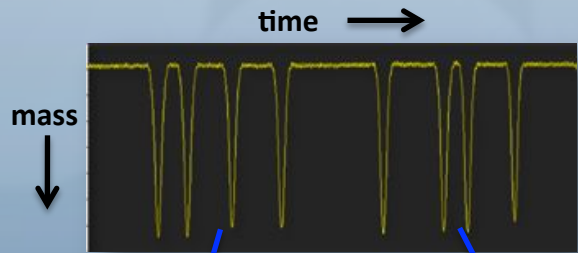
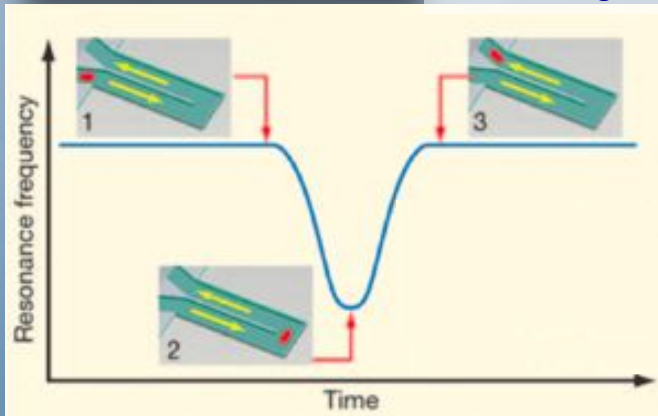




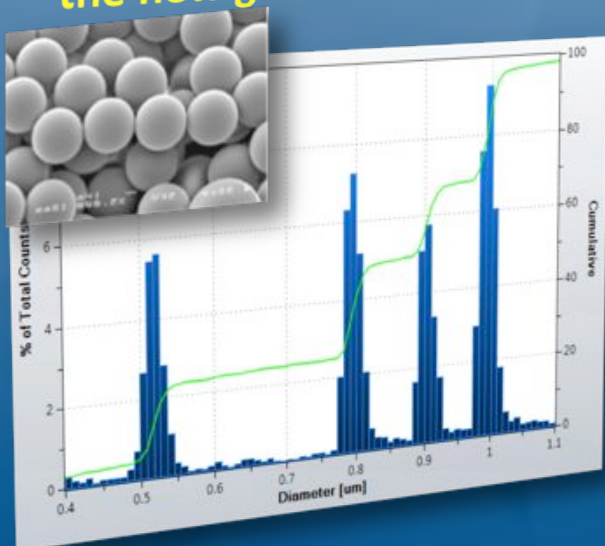
**ARCHIMEDES** brings an entirely new approach to particle characterization. Using miniaturized MEMS sensors, it *weighs* each particle to give the utmost in precision, resolution, and accuracy. And Archimedes' gentle fluidics are ideal for a diverse range of samples, from industrial particulates to nanoparticles to living cells.



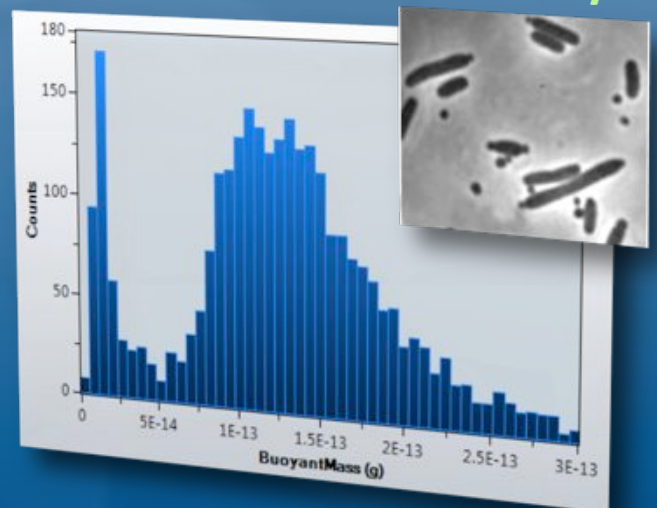
As particles flow through *microchannel resonators*, the change in resonant frequency gives the particle's mass and size with ultra-high resolution



**Particle Metrology:  
the new gold standard**



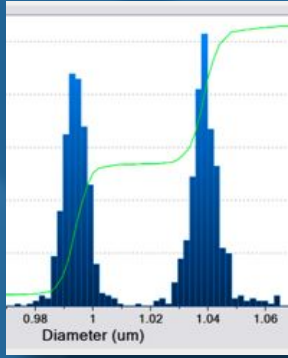
**Microbiology and Cytometry**



# Particle Metrology

# Life Sciences

Ultra-high resolution ...

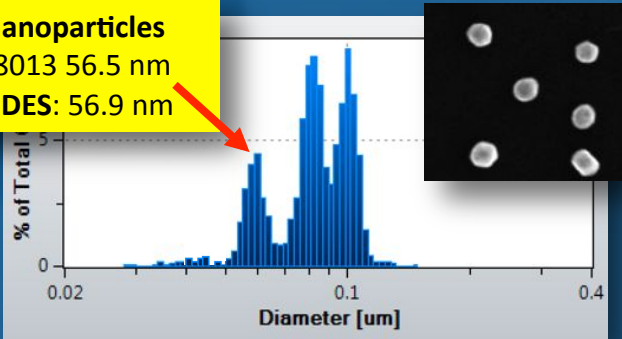


0.994  
And  
1.039 μm

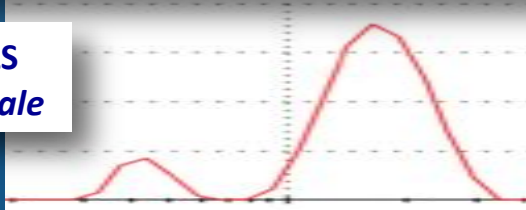
NIST-traceable  
Calibration

... and accuracy

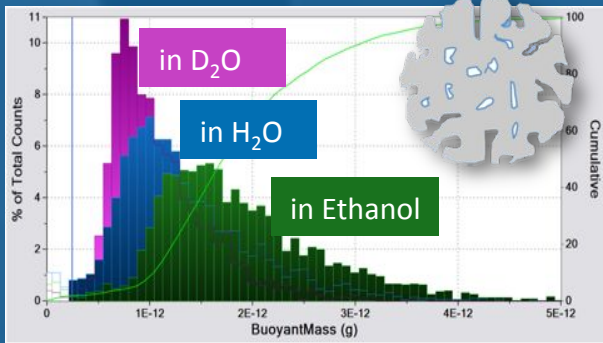
Gold Nanoparticles  
NIST RM 8013 56.5 nm  
ARCHIMEDES: 56.9 nm



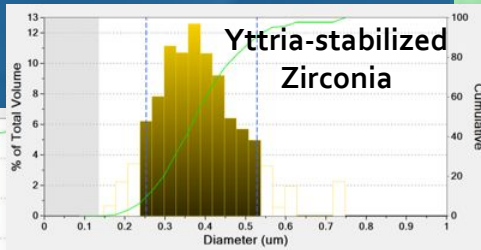
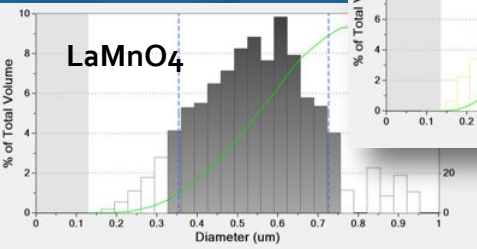
vs. DLS  
same scale



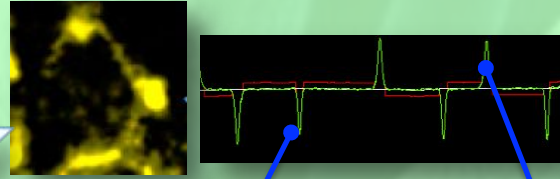
Measure Density: Porous Silica



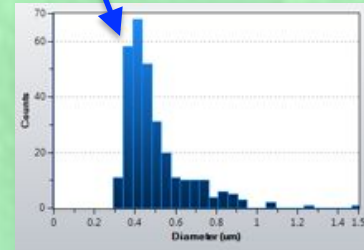
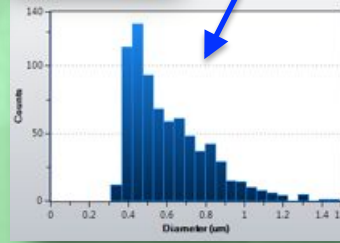
Paints Pigments Inks



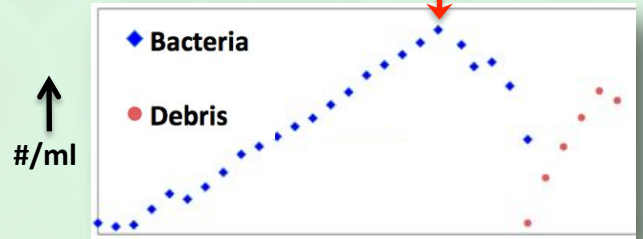
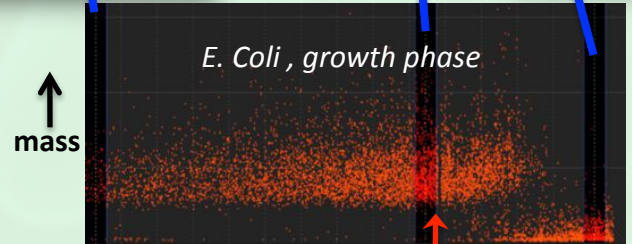
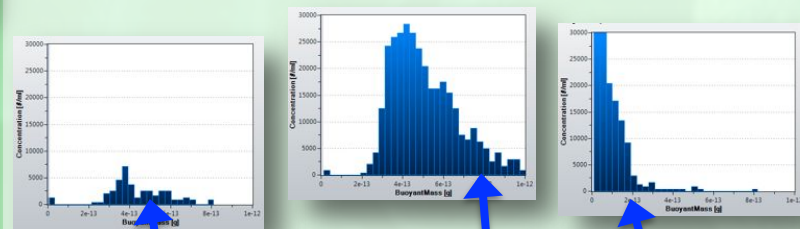
Protein Formulations and Emulsions



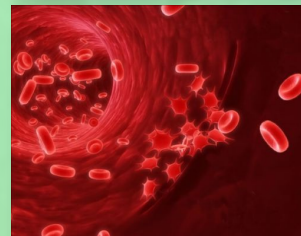
distinguish  
subvisible  
aggregates and  
foreign matter by  
buoyancy



Microbiology: Monitor Bacteria Growth vs. Time



Hematology



Red  
Blood  
Cells

