NANOPARTz™

The gold nanoparticle for nanotechnology

Nanopartz Accurate Spherical Gold Nanoparticles

Advantages

1. The only audited supplier to ISO 9000 companies.
2. Experimentally shown to be the most monodisperse.
3. Experimentally shown to be the most accurate in size and shape.
4. Longest shelf life in the industry.
5. Most reactive nanoparticles in the industry.
6. CoA contains concentration and loading.
7. CoA shows TEM image, DLS, UV VIS, and ICP data.

Some Testimonials

"We explored several nanoparticle manufacturers because we were unable to reproduce literature results for our application. One manufacturer recommended Nanopartz because of our desire for a narrow distribution of particle sizes. Nanopartz technical support helped us work through our application problems and suggested custom polymers that readily worked where others had failed. This really impressed us. They always provide quick delivery and helpful advice. We would highly recommend Nanopartz."

Tony Mega, Revalesio Corporation

"I must thank you for making these excellent products. Most of our recent successes are related to your products. In addition to the cover paper in Anal Chem, another paper using nanorods is close to be accepted by Nature Methods."

Ning Fang, PhD
Assistant Professor
Department of Chemistry
Iowa State University

"The scientists at Nanopartz have developed a line of colloidal gold nanorods with extremely high monodispersity in size, shape, and mass. The surfactant layer is highly stable and readily displaced for biofunctionalization. In every test, in vitro and in vivo, these materials have exceeded our expectations."

Geoffrey A. von Maltzahn
NSF and Whitaker Graduate Fellow
Harvard-MIT Division of Health Sciences and Technology
Laboratory for Multiscale Regenerative Technologies

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"We were previously making our own gold nanoparticles using the commonly used technique of citrate reduction of Au(III). The colloids generated are broadly polydisperse, and we were concerned that our application of these particles in immuno-gold labeling of cells for optical coherence microscopy (OCM) would be utilizing only the large diameter tail of the distribution. We purchased the sampler package of NanoPartz gold spheres (30 nm, 50 nm, 70 nm, 90 nm) and examined each size carefully with dynamic light scattering, OCM, and spectrophotometry. Our measurements indicated diameters a couple nanometers larger than specifications (a result of measurements on the fully hydrated state?), and remarkable monodispersity - within specs. It is clear to us now that our early immuno-gold results were dominated by the largest diameter spheres of our early colloids. We are delighted by the NanoPartz monodisperse preparations and recommend them strongly!"

Dr. Richard C. Haskell
Professor of Physics & Director of Physics Clinic
Physics Department
Harvey Mudd College