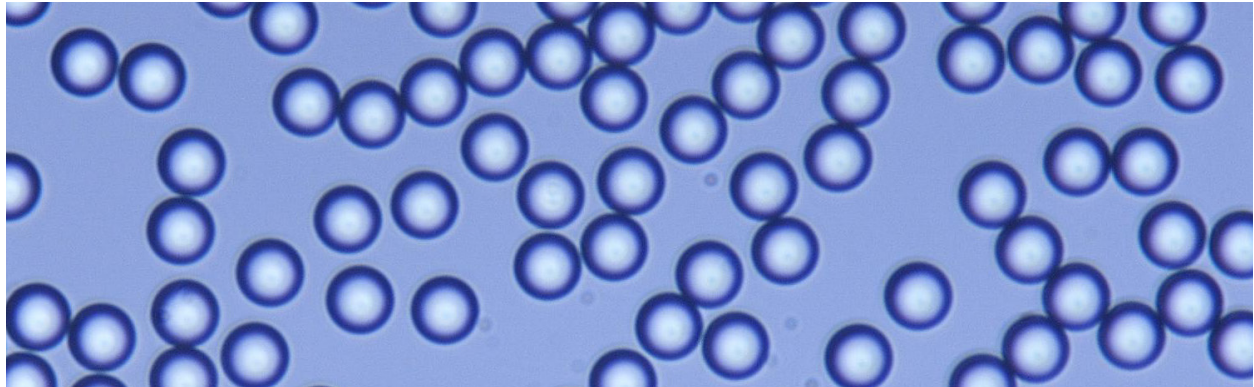


NIST - Traceable Particle Size Standards

Size Standards provide statistically meaningful sampling and more consistent results.



NIST Traceable Particle Size Standards

Available from 40nm to 175µm, NIST Traceable Particle Size Standards are provided with a Certificate of Traceability certifying that NIST Standard Reference Materials 1690, 1692, and 1961 were used to validate the accuracy and traceability of the calibration methods used to transfer the calibrated mean diameter dimension of this product.

The most critical aspect of microparticle sizing is the use of microparticle size standards. National Institute of Standards and Technology (NIST) Traceable Particle Size Standards provide the accurate and traceable size calibration tools needed for particle size analysis. These standards are a series of particles with calibrated mean diameters from 40nm to 175µm traceable to NIST Standard Reference Material. It is the mean diameter which is certified and traceable to NIST, with further lot specific data provided for your information. These particles are supplied as a 1% solids aqueous suspension in dropper-tipped bottles.

Our methods for determining particle size allow statistically meaningful sampling with little user bias. The number of particles measured per sample is greater than 100,000. Repeated measures on the same sample give consistent results. Our measurement techniques are made with instruments calibrated and validated with NIST Standard Reference Material.

We employ manufacturing methods to reduce the impact of outlying peaks often found in 'monodisperse' standards, enabling us to produce calibration grade particle size standards with a narrower CV than many other standards.

| Competitor Reported MD | Our Results |
|------------------------|-------------|
| 50 +/- 2.0nm | 49.9nm |
| 260 +/- 7.0nm | 265.8nm |
| 895 +/- 8.0nm | 889.0nm |
| 2.013 +/- 0.025µm | 2.025µm |
| 4.996 +/- 0.035µm | 4.9918µm |
| 20.00 +/- 0.10µm | 20.10µm |
| 49.8 +/- 0.8µm | 49.20µm |
| 102.0 +/- 1.4µm | 102.1µm |
| 160 +/- 2.2µm | 160.2µm |

Our NIST Traceable Size Standards are also featured in our line of SureCount™ Particle Count Standards.

NIST TRACEABLE PARTICLE SIZE STANDARDS

| Cat. # | Product Description |
|--------|---|
| NT02N | NIST Traceable Particle Size Standards, 40nm |
| NT03N | NIST Traceable Particle Size Standards, 60nm |
| NT04N | NIST Traceable Particle Size Standards, 80nm |
| NT05N | NIST Traceable Particle Size Standards, 100nm |
| NT06N | NIST Traceable Particle Size Standards, 150nm |
| NT07N | NIST Traceable Particle Size Standards, 200nm |
| NT08N | NIST Traceable Particle Size Standards, 300nm |
| NT09N | NIST Traceable Particle Size Standards, 400nm |
| NT10N | NIST Traceable Particle Size Standards, 500nm |
| NT11N | NIST Traceable Particle Size Standards, 600nm |
| NT12N | NIST Traceable Particle Size Standards, 700nm |
| NT13N | NIST Traceable Particle Size Standards, 800nm |
| NT14N | NIST Traceable Particle Size Standards, 900nm |
| NT15N | NIST Traceable Particle Size Standards, 1µm |
| NT16N | NIST Traceable Particle Size Standards, 1.5µm |
| NT17N | NIST Traceable Particle Size Standards, 2µm |
| NT18N | NIST Traceable Particle Size Standards, 2.5µm |
| NT19N | NIST Traceable Particle Size Standards, 3µm |
| NT20N | NIST Traceable Particle Size Standards, 3.5µm |
| NT21N | NIST Traceable Particle Size Standards, 4µm |
| NT22N | NIST Traceable Particle Size Standards, 5µm |
| NT23N | NIST Traceable Particle Size Standards, 6µm |
| NT24N | NIST Traceable Particle Size Standards, 7µm |
| NT25N | NIST Traceable Particle Size Standards, 8µm |
| NT26N | NIST Traceable Particle Size Standards, 9µm |
| NT27N | NIST Traceable Particle Size Standards, 10µm |
| NT28N | NIST Traceable Particle Size Standards, 12µm |
| NT29N | NIST Traceable Particle Size Standards, 15µm |
| NT30N | NIST Traceable Particle Size Standards, 20µm |
| NT31N | NIST Traceable Particle Size Standards, 25µm |
| NT32N | NIST Traceable Particle Size Standards, 30µm |
| NT33N | NIST Traceable Particle Size Standards, 40µm |
| NT34N | NIST Traceable Particle Size Standards, 50µm |
| NT35N | NIST Traceable Particle Size Standards, 60µm |
| NT36N | NIST Traceable Particle Size Standards, 80µm |
| NT37N | NIST Traceable Particle Size Standards, 100µm |
| NT38N | NIST Traceable Particle Size Standards, 125µm |
| NT39N | NIST Traceable Particle Size Standards, 150µm |
| NT40N | NIST Traceable Particle Size Standards, 175µm |

SURECOUNT™ PARTICLE COUNT STANDARDS

| Cat. # | Product Description |
|--------|--|
| CC03N | SureCount™ Particle Count Standard, 3µm |
| CC05N | SureCount™ Particle Count Standard, 5µm |
| CC10N | SureCount™ Particle Count Standard, 10µm |
| CC15N | SureCount™ Particle Count Standard, 15µm |





Bangs Laboratories manufactures magnetic, polymeric and silica microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.


We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

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