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Committee E56
Nanotechnology

Formed in 2005, ASTM Committee E56 develops standards and guidance for nanotechnology and nanomaterials, and coordinates existing ASTM standardization related to nanotechnology needs. These international standards address topics including: nano-enabled consumer products, physical and chemical characterization, and intellectual property issues.
E56 Subcommittees and Key Documents

**Subcommittees:**
- E56.01 Informatics and Terminology
- E56.02 Physical and Chemical Characterization
- E56.03 Environment, Health, and Safety
- E56.04 Intellectual Property Issues
- E56.05 Liaison and International Cooperation
- E56.06 Nano-Enabled Consumer Products
- E56.07 Education and Workforce Development
- E56.90 Executive
- E56.91 Strategic Planning and Review

**Key Standards:**
- E2490 Standard Guide for Measurement of Particle Size Distribution of Nanomaterials in Suspension by Photon Correlation Spectroscopy (PCS)
- E2865 Standard Guide for Measurement of Electrophoretic Mobility and Zeta Potential of Nanosized Biological Materials
- E2864 Standard Test Method for Measurement of Airborne Metal and Metal Oxide Nanoparticle Surface Area Concentration in Inhalation Exposure Chambers
- E2524 Standard Test Method for Analysis of Hemolytic Properties of Nanoparticles
- E2535 Standard Guide for Handling Unbound Engineered Nanoscale Particles in Occupational Settings

How You Can Contribute to Nanotechnology Standardization?

**Membership in Committee E56**
The committee welcomes all users, technical experts or anyone with a general interest who has a desire to work toward further development of nanotechnology and nanomaterial standardization. Meetings are held twice a year. Standards development work continues all year long through electronic tools and virtual meetings.

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