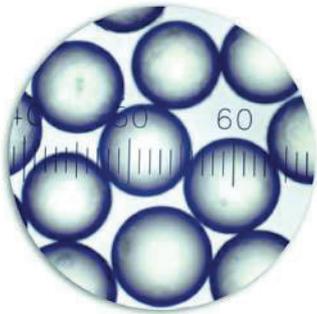


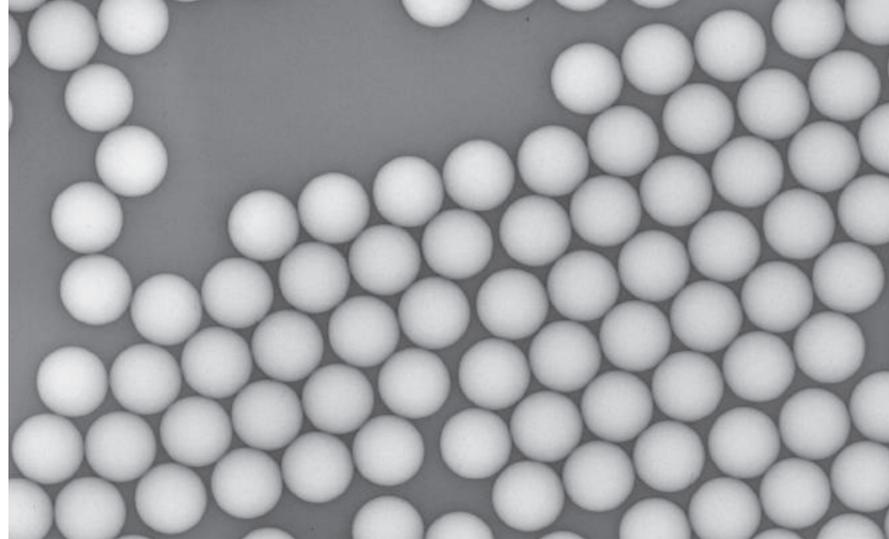
# Thermo Scientific Dri-Cal Size Standard Particles

- NIST traceable mean diameter
- Third-party reference for calibrating particle counters
- Dry particles come in ready-to-use, dropper tipped vials

Dri-Cal Particle Size Standards are used for calibrating particle sizing and counting instrumentation that require dry particles for measuring dry media.



Typical applications include checking and testing for particulate matter in environmental air quality systems, filters, automotive exhaust test systems, and aerospace environments. In pharmaceuticals, particle size evaluation is the primary usage.



Thermo Scientific Dri-Cal Particle Size Standard particles are specifically designed for particle counters that can only be calibrated with dry particles.

They are available in a wide range of uniform, NIST traceable nominal diameter sizes from 5  $\mu\text{m}$  up to 100  $\mu\text{m}$ .

This makes them ideal for providing a third-party reference when calibrating particle counting instruments regardless of make or model.

Each package contains a Certificate of Calibration and Traceability to the National Institute of Standards and Technology (NIST) which includes a description of the calibration method and its uncertainty, and a table of chemical and physical properties.

Dri-Cal particles come conveniently packaged in dropper-tipped vials in 1 gram quantities. This enables the user to dispense the particles directly into the sampling chamber with no other preparation or dispersion equipment required.

The particles are not suitable for dispersion in liquid media.

Packages are lot-numbered for technical service and support after the sale. A Material Safety Data Sheet with handling and disposal instructions is also available.

**Thermo**  
SCIENTIFIC

Authorized Distributor in your area

**Distrilab**  
microsphere technology

Wapenrustlaan 11-31  
7321 DL Apeldoorn  
The Netherlands

www.distrilab.nl  
info@distrilab.nl  
+31 (0) 85 040 9913



## Dri-Cal Dry Particle Size Standards

Nominal Diameter	Bottle Size	Approximate Count Per Gram	Catalog Number
5 µm	1 gram	1.4 x 10 <sup>10</sup>	DC-05
6 µm	1 gram	8.4 x 10 <sup>10</sup>	DC-06
7 µm	1 gram	5.5 x 10 <sup>9</sup>	DC-07
8 µm	1 gram	4.3 x 10 <sup>9</sup>	DC-08
10 µm	1 gram	1.8 x 10 <sup>9</sup>	DC-10
15 µm	1 gram	4.3 x 10 <sup>8</sup>	DC-15
20 µm	1 gram	2.3 x 10 <sup>8</sup>	DC-20
25 µm	1 gram	1.1 x 10 <sup>8</sup>	DC-25
50 µm	1 gram	1.4 x 10 <sup>7</sup>	DC-50
70 µm	1 gram	5.7 x 10 <sup>6</sup>	DC-70
100 µm	1 gram	2.0 x 10 <sup>6</sup>	DC-100

### Specifications

Composition	Polystyrene divinylbenzene (PS-DVB)
Format	Dry
Index of Refraction	1.59 @ 589 nm (25°C)
Additives	Trace flow agent may be present
Expiration Date	≥ 24 months (from date of shipment)
Documentation	Certificate of Calibration and Traceability to NIST, and Material Safety Data Sheet (MSDS)
Storage and Handling	Unless otherwise stated, store at ambient room temperature. Store upright, keep bottle tightly sealed. Mix product with gentle inversion by hand or vortex mixer.

### Over 35 years of particle technology expertise

With a depth and breadth of innovative particle technology design and manufacturing experience that spans over 35 years, we are your proven, reliable source for world class particle technology solutions.

All Thermo Scientific particles are manufactured in our proprietary ISO 13485 certified facilities under rigorous quality control procedures.

By manufacturing our own particles, we can provide customers with comprehensive data about the characteristics and functionality of the particles they purchase.

Customers can also count on our responsive, technical support backed by years of clinical applications training and research.

[thermoscientific.com/particletechnology](https://thermoscientific.com/particletechnology)

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

For particles contact:

**Clinical Diagnostics**  
Particle Technology  
46360 Fremont Boulevard  
Fremont, California 94583, U.S.A.  
1-800-232-3342 (USA)  
+1-510-979-5000 (International)

**Thermo**  
SCIENTIFIC  
Part of Thermo Fisher Scientific

Authorized Distributor in your area

**Distrilab**  
microsphere technology

Wapenrustlaan 11-31  
7321 DL Apeldoorn  
The Netherlands

www.distrilab.nl  
info@distrilab.nl  
+31 (0) 85 040 9913

