



U.S. Corporate Headquarters
400 Valley Rd.
Warrington, PA 18976
1(800) 523-2575 / (215) 343-6484
1(800)343-3291 fax
info@polysciences.com

Polysciences Europe GmbH
Badener Str. 13
69493 Hirschberg an der Bergstrasse,
Germany
+(49) 06201-845200
+(49) 06201-8452020 fax
info@polysciences.de

Polysciences Asia-Pacific, Inc.
2F-1, 207 DunHua N. Rd.
Taipei, Taiwan 10595
(886) 2 8712 0600
(886) 2 8712 2677 fax
info@polysciences.tw

TECHNICAL DATA SHEET 852

Page 1 of 1

SureCount™ Particle Count Standards

Catalog Numbers: 25379, 25380, 25381, 25382

DESCRIPTION

SureCount™ standards are suspensions of polymer microspheres intended for the validation and monitoring of particle counters and supporting sample preparation processes. SureCount™ standards are available in four sizes (3µm, 5µm, 10µm, or 15µm), with diameters traceable to NIST Standard Reference Materials. The standards are supplied as ~1 x 10⁶ microspheres / ml aqueous suspensions in 10ml volumes.

SureCount™ microspheres complement our existing catalog of standards for analytical instruments including cell viability analyzers, particle sizers, flow cytometers and microscopes.

CHARACTERISTICS

Diameters: 3µm, 5µm, 10µm, or 15µm
Concentration: ~1 x 10⁶ microspheres / ml
Suspending Solution: DI water + 0.1% Tween® 20, 0.05% NaN₃
Unit Size: 10ml

MATERIAL

Material Required

- SureCount™ Particle Count Standards

PROCEDURE

Researchers are advised to optimize the use of particles in any application. SureCount particles will settle over time and should be mixed immediately prior to use. Proper sampling techniques must be observed to preserve the concentration and ensure accuracy and reproducibility of results.

1. Mix (inversion or tube rotator) the vial of particles to ensure a well-dispersed suspension.
2. Pipette a volume of bead suspension that is appropriate for the specific analyzer / test, and prepare and run it in accordance with established procedures (e.g. dilution, mixing, etc.).

TRADEMARKS

1. Absolute Count Standard™ and SureCount™ are trademarks of Bangs Laboratories, Inc.
2. Tween® is a registered trademark of ICI Americas, Inc.
3. ViaCheck™ is a trademark of Polysciences, Inc.

STORAGE AND HANDLING

Storage Store at 4°C. Freezing of particles is expected to result in aggregation, which will invalidate the assigned count.

Safety This particle suspension contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Safety Data Sheet for more information.

These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. #	Description	Size
25379-10	SureCount™ Particle Count Standards, 3µm	10ml
25380-10	SureCount™ Particle Count Standards, 5µm	10ml
25381-10	SureCount™ Particle Count Standards, 10µm	10ml
25382-10	SureCount™ Particle Count Standards, 15µm	10ml

RELATED PRODUCTS

Cat. #	Description	Size
24627-20	ViaCheck™ Concentration Control (1 x 10 ⁶)	20ml
24628-20	ViaCheck™ Concentration Control (4 x 10 ⁶)	20ml
24629-20	ViaCheck™ Concentration Control (8 x 10 ⁶)	20ml
BLI580-10	Flow Cytometry Absolute Count Standard	10ml

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

In Germany Call: +(49) 06201-845200
In Germany Fax: +(49) 06201-8452020

In Asia Call: (886) 2 8712 0600
In Asia Fax: (886) 2 8712 2677

Order online anytime at www.polysciences.com