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### B E A D S • A B O V E T H E R E S T™

#### 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  $\sim 1 \times 10^6$  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:  $\sim 1 \times 10^6$  microspheres/mL  
 Suspending Solution: DI water + 0.1% Tween® 20, 0.05% NaN<sub>3</sub>  
 Unit Size: 10mL

#### MATERIAL

##### Material Supplied

- SureCount™ 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 STABILITY

Store at 2-8°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 Material Safety Data Sheet for more information.

**This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.**

#### ORDERING INFORMATION

Cat. Code	Description	Size
CC03N	SureCount™ Standards, 3µm	10mL
CC05N	SureCount™ Standards, 5µm	10mL
CC10N	SureCount™ Standards, 10µm	10mL
CC15N	SureCount™ Standards, 15µm	10mL

#### RELATED PRODUCTS

Cat. Code	Description	Size
VC60N	ViaCheck™ Concentration Control (1 x 10 <sup>6</sup> )	20mL
VC70N	ViaCheck™ Concentration Control (4 x 10 <sup>6</sup> )	20mL
VC80N	ViaCheck™ Concentration Control (8 x 10 <sup>6</sup> )	20mL
580	Flow Cytometry Absolute Count Standard™	10mL

Order online anytime at [www.bangslabs.com](http://www.bangslabs.com).