

PROTOCOL FOR USE OF COUNT PRECISION STANDARDS

1. Product Description

This product contains NIST traceable polymer microspheres packaged in a particle-free diluent at concentrations ideal for use in validation of liquid particle counters. The composition of the suspension has been optimized to keep the particles dispersed (separated from each other).

2. Materials Needed

- a. Count Precision Standards from Duke Scientific (CP series)
- b. Liquid particle counter
- c. Delivery system
- d. Magnetic stir plate (if applicable)
- e. Magnetic stir bar (if applicable)
- f. Sonic bath
- g. Clean, filtered water

3. Instructions

- a. Bring the particle count control suspension to room temperature before use.
- b. Determine and set the instrument's channels by following the instrument manual instructions.
- c. Run clean, filtered water through the instrument to purge the lines of residual particles.
- d. Resuspend the settled particles by inverting the bottle gently five to ten times, and placing it on a magnetic stir plate at an appropriate stirring speed (if applicable).
- e. Proceed to particle counting using the instrument manufacturer's guidelines.

4. Shelf Life

The shelf life of the unopened bottle is 12 months from the date of packaging. Do not freeze the particle suspension, as freezing will irreversibly flocculate the particles. Once the bottle has been opened, the suspension should be used within two days to avoid contamination.

5. Additional Information

If you have any further questions regarding the use of this product, please contact the technical service staff by phone (1-800-232-3342 press 2 then 4), fax (510-979-5002), or e-mail: dukeinfo@microgenics.com.

6. Limited Warranty

These products are intended for laboratory use by trained scientific personnel. Determination of their suitability for a specific end-use is the responsibility of the user, who assumes all liability for loss or damage arising out of the use of the product. Rebottling or relabeling voids the warranty and certification. Microgenics Corporation's warranty is limited to replacement of defective products if returned with our authorization within 60 days of purchase date.

THE FOREGOING WARRANTY SHALL BE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MICROGENICS BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.