

# Polyspherex™ Polystyrene Microspheres

## Product Data Sheet

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### Product Description:

Our featured polystyrene nanoparticles and microspheres are frequently used as standards or markers, in immunoassays (such as latex agglutination assays and solid phase enzyme immunoassays), or coated with proteins for use in research and diagnostic tests.

They can be coated with a variety of molecules such as ligands, nucleic acids, peptides, or antigens. Our microspheres can be loaded with color or fluorescent dyes in addition to other compounds.

Many of our polystyrene microspheres are offered with carboxyl functionalized surface groups (primary amine groups are also available on a custom basis). These surface modified microspheres are suitable for the covalent attachment of proteins, peptides, and nucleic acids.

### Characteristics:

Size Range: 25nm - 750µm

Density: 1.05-1.06 g/ml

#### Packaging Information:

Products with a diameter  $\leq 20\mu\text{m}$  are supplied as 1% solid suspensions (10mg/ml).

Products with a diameter  $> 20\mu\text{m}$  are supplied as pure solid particles.

#### Suspension Solution:

De-ionized water containing a small amount of surfactant and 2mM of sodium azide as an anti-microbial agent.

### Product Stability, Storage and Specifications:

This product should be stored at 2-8°C. Do not freeze!

### Product Use:

Sonicate/Vortex the microspheres before each use.

<p>These products are for research and manufacturing use only and are not intended for use in humans, therapeutic or diagnostic purposes. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of unacceptable material or refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.</p>
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