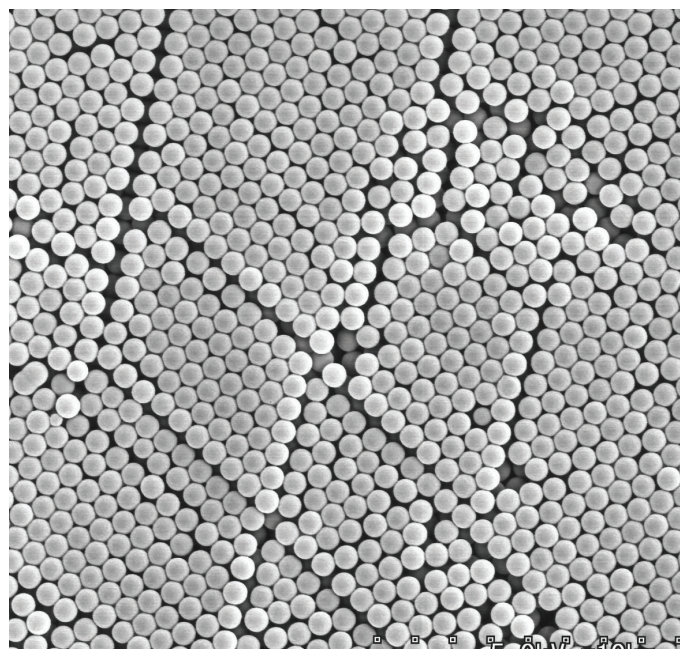


# Immutex™

Immutex™ is a uniform-sized polystyrene latex (PSL) particle available in a variety of particle sizes and surface chemistries to meet your specific requirements.

## Key Properties

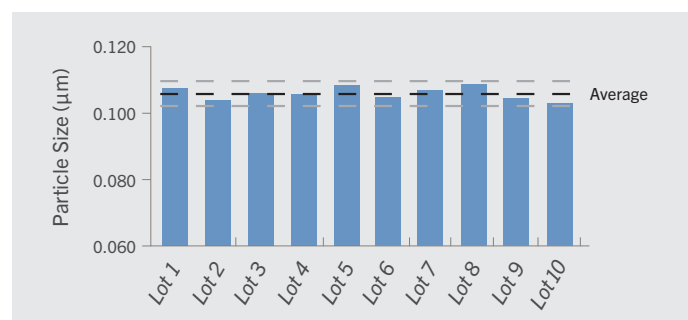
- Polystyrene latex beads
- Various sizes: 50 nm to 500 nm
- Uniform size
- Good lot-to-lot reproducibility
- Immutex-Plain / Immutex-Carboxyl
- Suitable latex surface design for your purpose
  - Adjustment of Parking area (PA)
  - Control COOH density
  - Control of hydrophilic/hydrophobic surface properties during ligand binding to reduce non-specific binding and assay aggregation
- Ready-to-use, no further purification needed



## Specifications

Diameter:	50 nm ~ 500 nm
Surface Charge Density:	~0.4 nmol/g (~150 Å <sup>2</sup> /COOH)
Solid Content:	5% or 10%
pH:	7~9
Solution:	0.09% sodium azide in water

## Good Lot-to-Lot Reproducibility



## Surface Chemistry and Ligand Coupling

Immutex™	Application	Ligand Coupling Method	Carboxyl Group Density (Parking area, Å <sup>2</sup> /COOH)
Immutex — Plain™	Latex agglutination	Physical adsorption	
Immutex — Carboxyl™	Latex agglutination	Covalent coupling	1–150

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## Immutex™ Product Lineup

Product Code	Diameter (µm)	COOH (mmol/g)	Parking Area (Å <sup>2</sup> /COOH)	Solid Content (wt%)
<b>Immutex-Carboxyl™</b>				
P0001	0.068	0.187	75	5
P0011	0.095	0.167	60	5
P0014	0.083	0.313	37	5
P0115	0.107	0.141	63	5
P0112	0.155	0.104	59	5
P0113	0.198	0.066	73	10
P0307	0.407	0.04	58	10
<b>Immutex-plain™</b>				
P2015	0.091	-	-	5
P2116	0.127	-	-	10
P2117	0.133	-	-	5
P2118	0.179	-	-	10

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