

## Product Specification

### Product: PLxBead 100nm - 20µm diameter

Authorized for research use only

#### Contents

The vial(s) contains carboxyl functionalized, 0.100 - 20 µm Polystyrene beads encoded with semiconductor nanocrystals. Blank beads are carboxy functional but not encoded with nanocrystals. The beads are shipped in deionized water with 0.01% sodium azides.

#### Instructions

The beads should be stored between 2 and 25 °C in the dark. Beads may be centrifuged and resuspended to change solvent if desired. If beads aggregate, follow directions below to disperse. Binding proteins to surface carboxylic acids can be accomplished with EDC in TBS in a pH range of 6.5 - 8.0 by following our recommended Protein Binding Protocol.

#### Bead dispersion protocol

- 1) Vortex, 10 seconds
- 2) Shake vigorously by hand, 5 seconds
- 3) Sonicate, 20 seconds (vortex 50 seconds if sonicator not available)
- 4) Repeat three times