

**Catalog Number** F13083  
**Product Name** FluoSpheres® polystyrene, 1.0 µm, red (580/605) \*for tracer studies\* \*1.0x10<sup>10</sup> beads/mL\*  
**Appearance** pink suspension  
**Medium** distilled water, 0.02% thimerosal  
**Concentration** 1.0 x 10<sup>10</sup> particles/mL  
**Lot Number** 2477467

SONICATE WELL BEFORE USE. STORE AT 2° - 8° C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
<b>ASSAY</b> Dye Loading <sup>1</sup>	22 µg/mg	≥ 12 µg/mg
<b>FLOW CYTOMETRY</b> Percent Singlets CV of Forward Scattering	96% 4%	≥ 85% ≤ 15%
<b>MICROSCOPY</b> Inspection	meets specification	few or no aggregates detectable after sonication
<b>TECHNICAL DATA<sup>2</sup></b> Actual Particle Size Density of Polystyrene	1.0 ± 0.024 µm 1.055 g/cm <sup>3</sup>	n.a. n.a.
<b>MISCELLANEOUS INFORMATION</b> Material Lot Number	2504296	n.a.

1. µg dye/mg dry microspheres

2. Technical data for the unstained microspheres.



Rachel Smith, Quality Assurance Manager  
 22-Apr-2022

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.