

Catalog Number F8820
Product Name FluoSpheres® carboxylate-modified microspheres, 1.0 µm, orange fluorescent (540/560)
2% solids
Appearance orange suspension
Medium distilled water, 2 mM azide
Concentration 3.6×10^{10} particles/mL
Lot Number 2130118

SONICATE WELL BEFORE USE. STORE AT 4°C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY		
Percent Singlets	99%	≥ 85%
CV of Forward Scattering	4%	≤ 15%
FLUORESCENCE		
Emission Maximum	559 nm	560 ± 5 nm
Relative Quantum Yield ¹	0.13	≥ 0.05
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	1.0 ± 0.024 µm	n.a.
Charge	0.1826 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	5.7 × 10 ⁴ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	1249002	n.a.

1. Relative to a solution in chloroform of the dye used to prepare this product.
2. Technical data for the unstained microspheres.



Rachel Smith, Quality Assurance Manager
24-Oct-2012

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.