

Catalog Number F8809
Product Name FluoSpheres® carboxylate-modified microspheres, 0.2 µm, orange fluorescent (540/560)
2% solids
Appearance pink suspension
Medium distilled water, 2 mM azide
Concentration 3.9×10^{12} particles/mL
Lot Number 2020283

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

	LOT DATA	SPECIFICATION
FLUORESCENCE		
Emission Maximum	559 nm	560 ± 5 nm
Relative Quantum Yield ¹	0.27	≥ 0.15
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	0.21 ± 0.0110 µm	n.a.
Charge	0.3772 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	2.7 x 10 ⁵ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	1753585	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

19-Jan-2016

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.