

Catalog Number F8858
Product Name FluoSpheres® sulfate microspheres, 4.0 µm, red fluorescent (580/605) *2% solids*
Appearance pink suspension
Medium distilled water, 0.02% Tween® 20, 2 mM azide
Concentration 7.2×10^8 particles/mL
Lot Number 1985241

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

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY Percent Singlets CV of Forward Scattering	97% 3%	≥ 85% ≤ 8%
FLUORESCENCE Emission Maximum Relative Quantum Yield ¹	606 nm 0.23	605 ± 5 nm ≥ 0.15
MICROSCOPY Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA² Actual Particle Size Charge Density of Polystyrene Specific Surface Area	3.7 ± 0.04 µm 0.0011 meq/g 1.055 g/cm ³ 1.5 x 10 ⁴ cm ² /g	n.a. n.a. n.a. n.a.
MISCELLANEOUS INFORMATION Material Lot Number	1902999	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
10-Jul-2017

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.