

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 2072904

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

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY Percent Singlets CV of Forward Scattering	98% 6%	≥ 85% ≤ 8%
FLUORESCENCE Emission Maximum Relative Quantum Yield ¹	604 nm 0.5	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 ± 0.4 µm 0.001 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	2039410	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
31-Jan-2019

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.