

Catalog Number F8851
Product Name FluoSpheres™ sulfate microspheres, 1.0 µm, red fluorescent (580/605) *2% solids*
Appearance pink suspension
Medium distilled water, 2 mM sodium azide
Concentration 4.2 x 10¹⁰ particles/mL
Lot Number 2831249

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

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY		
Percent Singlets	96 %	≥ 85%
CV of Forward Scattering	4 %	≤ 15%
FLUORESCENCE		
Emission Maximum	607 nm	605 ± 5 nm
Relative Quantum Yield ¹	0.14	≥ 0.07
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	0.95 ± 0.018 µm	n.a.
Charge	0.0018 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	6.0 x 10 ⁴ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	2833230	n.a.

1. Relative to a solution in chloroform of the dye used to prepare this product

2. Technical data for the unstained microspheres.



Zach Luedtke, Quality Assurance Manager
10-Jan-2024

Life Technologies Corporation 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.
Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product literature.