

Catalog Number F8859
Product Name FluoSpheres™ sulfate microspheres, 4.0 µm, yellow-green fluorescent (505/515) *2% solids*
Appearance yellow suspension
Medium distilled water, 0.02% Tween® 20, 2 mM sodium azide
Concentration 6.1 x 10⁸ particles/mL
Lot Number 2906443

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

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY		
Percent Singlets	99%	≥ 85%
CV of Forward Scattering	2%	≤ 8%
FLUORESCENCE		
Emission Maximum	517 nm	520 ± 5 nm
Relative Quantum Yield ¹	0.54	≥ 0.25
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	3.9 ± 0.05 µm	n.a.
Charge	0.0006 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	1.5 x 10 ⁴ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	2956545	n.a.

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

2. Technical data for the unstained microspheres.



Zach Luedtke, Quality Assurance Manager
6-Jun-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.