

**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 10<sup>8</sup> particles/mL  
**Lot Number** 2647615

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

	LOT DATA	SPECIFICATION
<b>FLOW CYTOMETRY</b>		
Percent Singlets	96%	≥ 85%
CV of Forward Scattering	3%	≤ 8%
<b>FLUORESCENCE</b>		
Emission Maximum	516 nm	520 ± 5 nm
Relative Quantum Yield <sup>1</sup>	0.32	≥ 0.25
<b>MICROSCOPY</b>		
Inspection	meets specification	few or no aggregates detectable after sonication
<b>TECHNICAL DATA<sup>2</sup></b>		
Actual Particle Size	3.9 ± 0.17 µm	n.a.
Charge	0.0006 meq/g	n.a.
Density of Polystyrene	1.055 g/cm <sup>3</sup>	n.a.
Specific Surface Area	1.5 x 10 <sup>4</sup> cm <sup>2</sup> /g	n.a.
<b>MISCELLANEOUS INFORMATION</b>		
Material Lot Number	2465755	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  
17-Jan-2022

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.