

Catalog Number F8787
Product Name FluoSpheres™ carboxylate-modified microspheres, 0.02 µm, yellow-green fluorescent (505/515) *2% solids*
Appearance yellow suspension
Medium distilled water, 2 mM sodium azide
Concentration 2.1 x 10¹⁵ particles/mL
Lot Number 2892728

SONICATE WELL BEFORE USE. STORE AT 4°C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
FLUORESCENCE		
Emission Maximum	515 nm	515 ± 5 nm
Relative Quantum Yield ¹	0.52	≥ 0.30
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	0.03 ± 0.0034 µm	n.a.
Charge	0.4785 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	2.2 x 10 ⁶ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	2689236	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
12-May-2023

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.