MOLECULAR PROBES®

CERTIFICATE OF ANALYSIS

Catalog Number	A16500
Product Name	Alignflow™ Flow Cytometry Alignment Beads for Blue Lasers *2.5 µm*
Appearance	red suspension
Medium	distilled water, 0.05% Tween® 20, 2 mM sodium azide
Concentration	9.2×10^7 particles/mL
Lot Number	1971883

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

	LOT DATA	SPECIFICATION
CV OF THE MEAN INTENSITY[1]		
at FL1	2.7 %	≤4.0 %
at FL2	2.1 %	≤4.0 %
at FL3	2.4 %	≤4.0 %
FLOW CYTOMETRY[1]		
Percent Singlets	98%	≥ 90%
CV of Forward Scattering	4%	≤ 5%
FLUORESCENCE		
Emission Maximum	575 nm	570 ± 25 nm
MEAN FLUORESCENCE INTENSITY[1]		
at FL1	792	700 ± 120
at FL2	790	700 ± 120
at FL3	742	700 ± 120
TECHNICAL DATA[2]		
Actual Particle Size	2.67 ± 0.067 µm	n.a.
Density of Polystyrene	1.055 g/cm^3	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	1896869	n.a.

1. *Measured with a calibrated flow cytometer, using 488 nm excitation.*
2. *Technical data for the unstained microspheres.*

Rachel Smith, Quality Assurance Manager
18-May-2017

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.

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