MOLECULAR PROBES®

CERTIFICATE OF ANALYSIS

Catalog Number I7224
Product Name InSpeck™ Red (580/605) Microscope Image Intensity Calibration Kit, 2.5 µm
Lot Number 1859236

	LOT DATA	SPECIFICATION
FLOW CYTOMETRY[1]		
Percent Singlets[2]	97%	≥ 85%
FLUORESCENCE		
Emission Maximum[3]	606 nm	605 ± 10 nm
RELATIVE MFI[4]		
Component A	meets specification	unstained beads
Component B	0.41%	0.19% – 0.48%
Component C	1.4%	0.62% – 1.6%
Component D	4.7%	1.9% – 4.8%
Component E	15%	6.2% – 16%
Component F	40%	19% – 48%
Component G[5]	100%	100%
TECHNICAL DATA[6]		
Actual Particle Size	2.6 ± 0.028 µm	n.a.
Density of Polystyrene	1.055 g/cm^3	n.a.

1. *Measured with a calibrated FACScan™ flow cytometer (BD Biosciences).*
2. *Lot data are obtained from a mixture of components B, C, D, E, F and G.*
3. *Emission maximum determined for component G only. Components B – F should be comparable.*
4. *Mean Fluorescence Intensity (MFI) measured with a calibrated FACScan™ flow cytometer (BD Biosciences) at FL2 using linear values.*
5. *Component G set at 100%.*
6. *Technical data for the unstained microspheres.*

Rachel Smith

Rachel Smith, Ph.D., Quality Assurance

06-Jan-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.

Molecular Probes, Inc.
29851 Willow Creek Road
Eugene, OR 97402-9132
Phone (541) 465-8300 Fax (541) 335-0504

Printed Jan 17, 2017