

# MOLECULAR PROBES®

## CERTIFICATE OF ANALYSIS

**Catalog Number** Q21331MP  
**Product Name** Qdot® 565 ITK™ carboxyl quantum dots \*8 µM solution\*  
**CAS Number / Name** N/A  
**Molecular Formula** N/A  
**Appearance** orange suspension  
**Medium** 2 nmoles in 50 mM borate, pH 9  
**Lot Number** 1800360

STORE AT 4°C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
<b>ABSORBANCE</b>		
Concentration	8.4 µM	7.5 - 8.5 µM
<b>FLUORESCENCE</b>		
Emission Maximum	563 nm	565 ± 4 nm
Quantum Yield	57%	≥47%
Full Width at Half Maximum	30 nm	≤34 nm
<b>MISCELLANEOUS INFORMATION</b>		
Material Lot Number	1804489	n.a.



Rachel Smith, Ph.D., Quality Assurance

25-May-2016

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.