

**Catalog Number** Q21331MP  
**Product Name** Qdot® 565 ITK™ carboxyl quantum dots \*8 µM solution\*  
**Appearance** orange suspension  
**Medium** 50mM borate, pH 9.0  
**Lot Number** 2183924

STORE AT 4°C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
<b>ABSORBANCE</b> Concentration	8.2 µM	7.5 - 8.5 µM
<b>FLUORESCENCE</b> Emission Maximum	565 nm	565 ± 4 nm
Quantum Yield	57%	≥47%
Full Width at Half Maximum	30 nm	≤34 nm
<b>MISCELLANEOUS INFORMATION</b> Material Lot Number	1854227	n.a.



Rachel Smith, Quality Assurance Manager  
 11-Jan-2019

*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.*