

PEG Quantum Dots

DESCRIPTION

Ocean NanoTech's biocompatible quantum dots (QD) offer high photostability and high fluorescence with great long-term colloidal stability over a broad pH range. The surface of the QDs is engineered to reduce non-specific binding for a variety of applications, such as sensing, cellular imaging, and Förster Resonance Energy Transfer (FRET). PEG QDs are QDs with polyethylene glycol (PEG) groups. With excellent colloidal stability and unique surface coating, the PEG QDs exhibit high binding capacity and low non-specific binding.

FEATURES

- Narrow emission peak
- Wide choice of emission colors
- Reduced nonspecific interactions
- High colloidal stability
- Autoclavable
- Lyophilizable

SPECIFICATION

- **Functional Group:** PEG
- **Emission range:** 425 nm-665 nm
- **Full Width at Half Maximum:** < 35 nm
- **Zeta potential:** from -10 mV to -30 mV
- **Concentration:** 8 μ M
- **Storage buffer:** DI water
- **Functional group:** PEG

STORAGE & USAGE: Store at 2-8°C.

AVAILABLE PRODUCTS

Product Description	Emission	Catalog	Unit size	Catalog	Unit size
PEG Quantum Dots	425 nm	QMG425-02	0.25 mL	QMG425-10	1.25 ml
PEG Quantum Dots	525 nm	QMG525-02	0.25 mL	QMG560-10	1.25 ml
PEG Quantum Dots	540 nm	QMG540-02	0.25 mL	QMG540-10	1.25 ml
PEG Quantum Dots	560 nm	QMG560-02	0.25 mL	QMG560-10	1.25 ml
PEG Quantum Dots	580 nm	QMG580-02	0.25 mL	QMG580-10	1.25 ml
PEG Quantum Dots	600 nm	QMG600-02	0.25 mL	QMG600-10	1.25 ml
PEG Quantum Dots	620 nm	QMG620-02	0.25 mL	QMG620-10	1.25 ml
PEG Quantum Dots	645nm	QMG645-02	0.25 mL	QMG645-10	1.25 ml
PEG Quantum Dots	665 nm	QMG665-02	0.25 mL	QMG665-10	1.25 ml

