

Amine 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. They are also accessible to simple and efficient bioconjugation techniques, such as EDC coupling and SMCC conjugation. 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). Amine QDs are QDs with amine groups. Proteins, antibodies, nucleic acid or other ligands with carboxylic acid, amine, or thiol groups can be easily coupled to the QDs. With excellent colloidal stability and unique surface coating, the amine 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

- **Reaction group:** Amine
- **Emission range:** 425 nm-665 nm
- **Full Width at Half Maximum:** < 35 nm
- **Zeta potential:** from -10 mV to +20 mV
- **Concentration:** 8 μ M
- **Storage buffer:** DI water

STORAGE: Store at 2-8°C.

AVAILABLE PRODUCTS

Product Description	Emission	Catalog	Unit size	Catalog	Unit size
Amine Quantum Dots	425 nm	QSA425-02	0.25 mL	QSA425-10	1.25 ml
Amine Quantum Dots	525 nm	QSA525-02	0.25 mL	QSA560-10	1.25 ml
Amine Quantum Dots	540 nm	QSA540-02	0.25 mL	QSA540-10	1.25 ml
Amine Quantum Dots	560 nm	QSA560-02	0.25 mL	QSA560-10	1.25 ml
Amine Quantum Dots	580 nm	QSA580-02	0.25 mL	QSA580-10	1.25 ml
Amine Quantum Dots	600 nm	QSA600-02	0.25 mL	QSA600-10	1.25 ml
Amine Quantum Dots	620 nm	QSA620-02	0.25 mL	QSA620-10	1.25 ml
Amine Quantum Dots	645nm	QSA645-02	0.25 mL	QSA645-10	1.25 ml
Amine Quantum Dots	665 nm	QSA665-02	0.25 mL	QSA665-10	1.25 ml

