DiagNano™ NIR Carboxyl CdSeTe/ZnS Quantum Dots, 860 nm

Cat.No: DNG-N086

DESCRIPTION

Description	DiagNano™ NIR Carboxyl CdSeTe/ZnS Quantum Dots, 860 nm are highly luminescent CdSeTe/ZnS core/shell complexes with narrow band fluorescent emission wavelengths. These quantum dots are surface coated with hydrophilic surfactants to achieve dispersion in water. The water soluble form has surfactant terminal end groups that is carboxylic acid (-COOH). These coatings allow covalent bonding of the QDs to a variety of molecular probes and surfaces for many fluorescent labeling applications. For example, illustrated above, is the use of QD bioconjugates for in vivo labeling as near infrared fluorescence is attenuated much less in tissue. Molecule Weight: 2.13E+6 g/mole.

PRODUCT INFORMATION

Diameter	9.1 nm (core), 10.9 nm (core plus shell)
Functional Group	Carboxyl
Emission Max	860 nm ± 10 nm
FWHM	81 nm

STORAGE AND SHIPPING

Storage Buffer	DI water
Storage	Stored in dark between -15 and 8°C
Shelf Life	≥1 year

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@cd-bioparticles.com
Tel: 1-631-633-6938 Fax: 1-631-938-8221