

DiagNano™ CdTeSeS Type-II Quantum Dots, 700 nm

Cat.No: DNB-N010

DESCRIPTION

Description	DiagNano™ CdTeSeS Type-II Quantum Dots, 700 nm (# DNB-N010) are stabilized with octadecylamine, and specially designed to type II structure, allowing the shell to confine only one of the charge carriers (electrons/holes). Due to the structure, the dots are more tunable for PL emission from 650 nm to over 900 nm. PL FWHM (nm): <150 nm. UV-Vis FWHM (nm): <100 nm.
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APPLICATION

Application Notes	The QDs are applied as probes in biological applications where absorption in the tissue is minimal, and also in light conversion for lighting or solar cells.
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PRODUCT INFORMATION

Diameter	4.5±0.5 nm
Functional Group	Octadecylamine
Concentration	5 mg/mL
Emission Max	700 ± 50 nm
Quantum Yield	> 30%

STORAGE AND SHIPPING

Storage Buffer	Supplied in toluene, other solvents are available upon request.
Storage	Store at 2-8 °C in dark.



Shelf Life

Save for one year if stored properly.
