



Technical Specifications

Updated 5/24/22

CdTeSeS Type-II Quantum Dots

Composition	CdTeSeS
Stabilizing ligand	Oleic Acid
Concentration	5mg/mL
Solvent*	Toluene
Lifetime	1 year
Storage	2-10 °C in dark
PL FWHM (nm)	<150nm
UV-Vis FWHM (nm)	<100nm
Quantum Yield	+30%
pH Stability	Na
Buffer Stability	Na

*Other solvents are available upon request.

Catalogue #	Emission Peak (nm)	Total Diameter (nm)	nmol/mg
CTSS700	700 +/- 50nm	4.5 nm +/- 0.5nm	3.7
CTSS800	800 +/- 50nm	4.9nm +/- 0.5nm	2.9

**Thickness of shell is expressed as total diameter added to core.

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