

PRODUCT DATA SHEET

Cadmium Selenide/Zinc Sulfide Quantum Dots 450nm - Carboxyl

Catalog Numbers:

- QD-450-C-1MG (1 mg, 2 nmol)
- QD-450-C-5MG (5 mg, 10 nmol)
- QD-450-C-10MG (10 mg, 20 nmol)
- QD-450-C-25MG (25 mg, 50 nmol)

Description

The vial(s) contains water dissolved CdSe/ZnS core/shell fluorescent nanocrystals at a concentration of 5 mg/ml (1nmol/mg).

- Proprietary surface passivation and ligand technology isolates the core from oxygen and harmful ions that can degrade quantum dot performance over time.
- Photostable (no bleaching)
- Narrow and sharp emission peaks
- Comparable quantum efficiencies (>40%) throughout the visible spectrum

Characteristics

Diameter: 7-8nm

Amount: 1, 5, 10, 25mg

Emission (λ max): 440-460nm

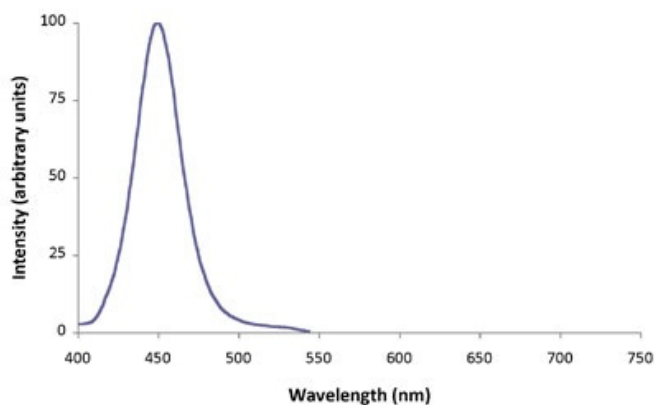
Full width at half maximum (FWHM): 20-22nm

Supplied in deionized water

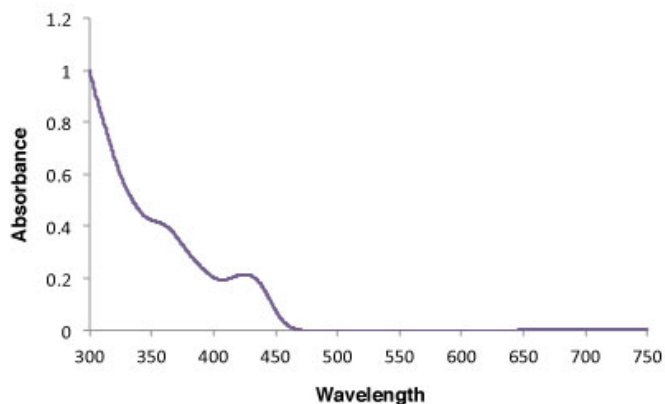
Storage

This product should be stored at 4°C in the dark. If stored as specified, Cytodiagnos^tics Quantum Dots have a shelf life of approximately one year.

Emission Spectra



Excitation Spectra





Product Safety and Handling

This product is for R&D use only, not for drug, household, or other uses. Please review the safety datasheet (SDS) available online for proper safety and handling procedures

Ordering Information

For ordering call 866-344-3954 or visit us online at www.cytodiagnosics.com