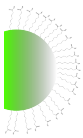
CYTODIAGNOSTICS

PRODUCT DATA SHEET

Cadmium Selenide/Zinc Sulfide Quantum Dots 575nm - Carboxyl



Carboxylic Acid Stabilized

Catalog Numbers:

QD-575-C-1MG (1 mg, 2 nmol)
QD-575-C-5MG (5 mg, 10 nmol)
QD-575-C-10MG (10 mg, 20 nmol)
QD-575-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

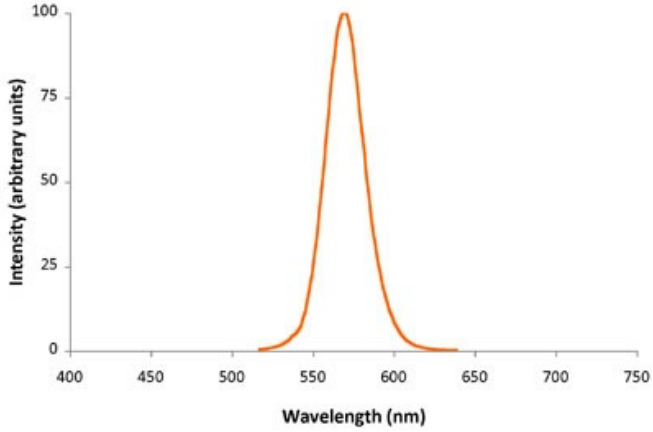
Characteristics

Diameter: 9-10nm
Amount: 1, 5, 10, 25mg
Emission (λ max): 570-590nm
Full width at half maximum (FWHM): 23-28nm
Supplied in deionized water

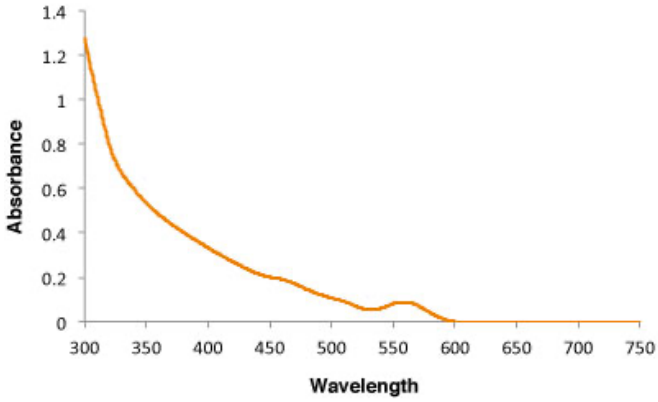
Storage

This product should be stored at 4°C in the dark. If stored as specified, Cytodiagnostics Quantum Dots have a shelf life of approximately one year. DO NOT FREEZE.

Emission Spectra



Excitation Spectra



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CYTO DIAGNOSTICS

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.

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