CYTODIAGNOSTICS

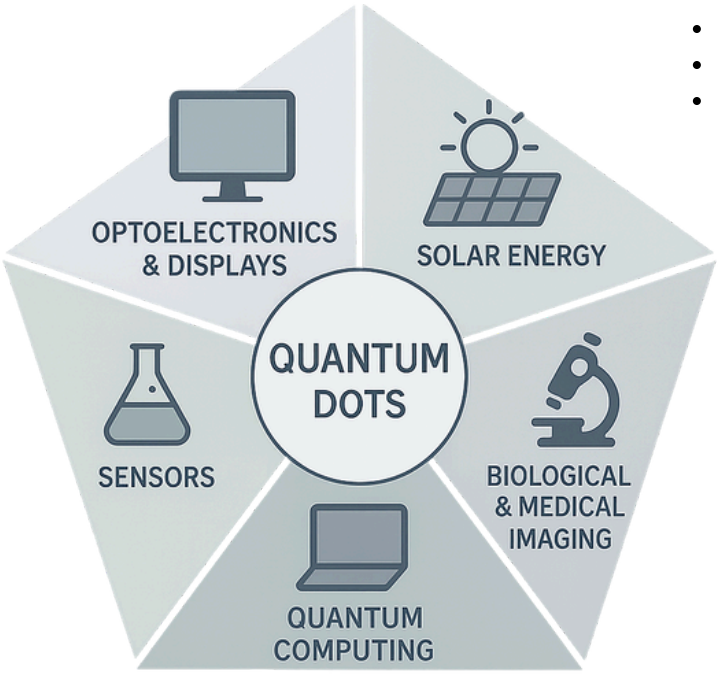
QUANTUM DOT Products (CdSe/ZnS)

Illuminating Diagnostics Through Quantum Innovation

Cytodiagnostics offers high-quality **cadmium selenide/zinc sulfide (CdSe/ZnS) core/shell quantum dots** engineered for versatility and performance. Available with either small alkyl ligands for organic solubility or carboxylic acid and amine (NH_2) ligands for water solubility, our quantum dots provide flexible options for diverse research needs.

With bright, stable emissions spanning 450–650 nm, these fluorescent nanoparticles are an excellent choice for applications in nanoelectronics, optoelectronics, bioimaging, and advanced materials research. Their well-defined surface chemistry also allows seamless functionalization with polymers, ligands, or biomolecules, enabling tailored solutions for cutting-edge projects.

Applications



Properties

- **Tuneable emission:** Bright, narrow fluorescence spanning 450-650 nm.
- **High Quantum Yield:** Strong, stable signal with minimal photobleaching.
- **Core-shell design:** CdSe core with ZnS shell for enhanced stability.
- **Surface versatility:** Oleic acid, carboxyl, or amine ligands for solvent capability and easy functionalization.

Products

Oleic Acid Stabilized (Organic Soluble)

- CdSe/ZnS Quantum Dots 450-650 nm - Alkyl

Carboxylic Acid Stabilized (Water Soluble)

- CdSe/ZnS Quantum Dots 450-650 nm - Carboxyl

Amine Stabilized (Water Soluble)

- CdSe/ZnS Quantum Dots 450-650 nm - Amine (NH_2)

Canada | Europe | Asia | Pacific
919 Fraser Drive, Unit 11, Burlington, Ontario L7L 4X8, Canada
Toll Free: 1-866-344-3954 customer_service@cytodiagnostics.com
United States | South and Central America
5867 South Garnett Road, Tulsa, Oklahoma, 74146, United States
Toll Free: 1-866-344-3954 customer_service-us@cytodiagnostics.com

www.cytodiagnostics.com