

## CdSSe/ZnS Water Soluble Core/shell Nanocrystals

**Description:** Water soluble CdSSe/ZnS nanocrystal is a group of water soluble alloy CdSSe/ZnS core/shell quantum dots with amphiphilic polymer coating. The reactive group is carboxylic acid. The size of the CdSSe/ZnS nanocrystals is about 9 nm by the TEM. The thickness of the polymer layers is about 4 nm. Water soluble CdSSe/ZnS nanocrystals is very stable in most buffer solution with the pH range of 4~10.

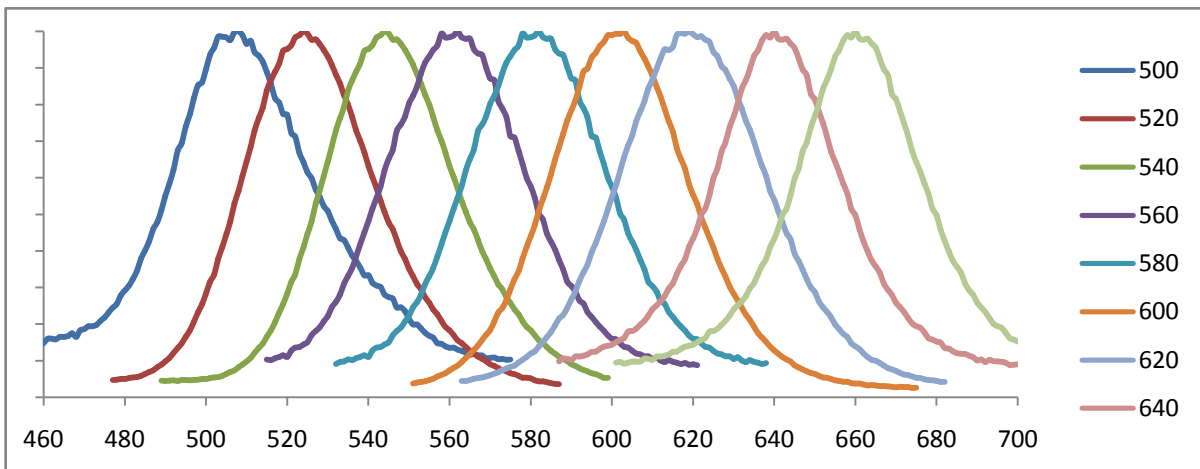
**Product name:** CdSSe/ZnS water soluble core/shell nanocrystals  
**Catalog number:** LW01-LW10  
**Solvent:** DI H<sub>2</sub>O  
**Reactive group:** Carboxylic acid  
**Buffer Stability:** Borate, Tris, HEPES, PBS, MES etc  
**pH stability:** 4~10  
**Storage:** 4-25 °C; Do not freeze  
**Shelf life:** 12 months

Emission peak/nm	FWHM*/nm	Quantum yield**	Structure	Reactive group
500±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
520±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
540±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
560±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
580±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
600±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
620±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
640±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
660±10	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
450±10	<40	>40%	CdSSe/ZnS/polymer	Carboxylic acid
530±5	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid
630±5	<40	>50%	CdSSe/ZnS/polymer	Carboxylic acid

\* FWHM means Full Width of Half Maximum

\*\* Quantum yield was measured by integrating method

**Spectra:**



**Related NNCrystal Products**

Visit our web site for more information related to this product : [www.nncrystal.com](http://www.nncrystal.com)

**Disclaimer:**

There is no obligation to replace products as the result of (i)improper storage and handling of the product,(ii)use of the products in a manner not designed for,(iii)accident,disaster or event of force majeure.

The Hangzhou Najing Technology Co.ltd products are supplied for scientific technology research use only, not for drink ,food or additives. Do not use the products and materials in the human body or in contact with internal body fluids or tissues.

© 2012 Hangzhou Najing Technology Co.ltd. All rights reserved.