

PRODUCT MANUAL

Product name:	Zinc Oxide Quantum Dots (ZnO QDs)
Product number:	ZnO-S

Dispersion preparation (5 mg/mL)

- (1) Weigh out 10 mg of Zinc Oxide Quantum Dots powder and put in vial.
- (2) Add 2 mL of an appropriate solvent (i.e. DMSO, H₂O) to the vial.
- (3) Then place the vial in an ultrasonic bath for at least 10 minutes.
- (4) Store the resulting dispersion at room temperature.
- (5) If white precipitate appears at the bottom of the vial, place the vial in an ultrasonic bath for at least 10 minutes again.

For longer stability/better dispersibility, the solution (in DMSO)/dispersion (in H₂O) of ZnO QDs in DMSO could be also prepared in lower concentrations (<5 mg/mL) by weighting out correspondingly lower amount of ZnO QDs powder, followed by further steps of above-mentioned procedure.

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY