

## PRODUCT SPECIFICATION

Product name: **Zinc Oxide Quantum Dots-based ink (ZnO-DMSO ink)**  
 Product number: **ZnO-DMSO ink**  
 Form: Colloidal suspension  
 Description: High-quality Uncoated Zinc Oxide Quantum Dots Nanocolloid  
 Monodispersed, narrow size distribution, solution-stable, bright yellow luminescence upon excitation with UV.

| <b>Properties</b>  | <b>Specification / value</b>                              |
|--------------------|---|
| Appearance         | Turbid nanocolloid  |
| Excitation         | 330 nm $\pm$ 5 nm   |
| Emission (max.)    | 530 nm $\pm$ 5 nm   |
| FWHM               | 135 nm $\pm$ 5 nm   |
| Core size          | 2 – 10 nm   |
| Solubility         | Colloidal solution in DMSO                                |
| Concentration      | 12 $\pm$ 2 mg/ml  |
| Storage conditions | Room temperature,<br>to be used in 3 months after opening |

## PACKAGING

| <b>Catalogue number</b> | <b>Quantity</b> |
|-------------------------|-----------------|
| ZnO-ink-5               | 5 ml            |
| ZnO-ink-10              | 10 ml           |
| ZnO-ink-25              | 25 ml           |

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY