

## Certificate of Analysis

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**Product Name:** MortaLIVE™ Non-Toxic Dye

**Catalog No.:** 8936

**Batch No.:** 1

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Appearance:** Green solution  
**Solubility:** Soluble in DMSO (supplied pre-dissolved in DMSO, 1000x)  
**Storage:** Store at -20°C

### 2. ANALYTICAL DATA

**HPLC:** Shows 90.4% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** MortaLIVE™ Non-Toxic Dye**Catalog No.:** 8936**Batch No.:** 1**Description:**

MortaLIVE™ Non-Toxic Dye is a ready-to-use dual-color fluorescent live-dead cell stain for long term live-cell imaging. It can be used for toxicity assays and for tracking cell viability and cytotoxicity in real time by cell imaging. The live cell channel has an excitation maximum ( $\lambda$ ) of 640 nm, while the dead cell channel has an excitation maximum ( $\lambda$ ) of 488 nm. This dual-color format allows continuous, non toxic tracking of cell health over extended imaging periods without the need for endpoint staining. MortaLIVE™ Non-Toxic Dye is provided as 50  $\mu$ L of a 1000x concentrate in DMSO. Please refer to this protocol f... Please see product specific page on [www.tocris.com](http://www.tocris.com) for full description.

**Physical and Chemical Properties:**

Physical Appearance: Green solution

**Minimum Purity:**  $\geq 90\%$ **Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

Soluble in DMSO (supplied pre-dissolved in DMSO, 1000x)

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold under license from Saguaro Biosciences

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