

## PRODUCT INFORMATION

### Resazurin Cell Viability Assay

Cat. No. 39905

#### Product Description:

**General** This is a fluorescent assay that detects cellular metabolic activity. The kit offers a simple, rapid, reliable, sensitive, safe and cost-effective measurement of cell viability.

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**Content** The kit is sufficient for 4x 2500 reactions.

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**Features**

- Resazurin is a blue dye non- fluorescent until it is irreversibly reduced to the pink-colored and highly red fluorescent resorufin by dehydrogenases in metabolically active cells.
- Excitation (Resorufin): 530 – 560 nm
- Emission (Resorufin): 590 nm
- Absorbance (Resorufin): 570 - 600nm

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**Storage** Resazurin solution should be stored at - 20°C in the dark for long term storage. Thaw Resazurin solution completely and mix thoroughly before use. The product is stable for at least 10 freeze-thaw cycles.

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**Assay Procedure**

1. Thaw out Resazurin solution (if kept frozen) and warm it to 37 °C to ensure all components are completely in solution.
2. Plate cells into 96-well tissue culture plates using optimal cell concentration.
3. Carry out your experiment by adding agents of your interest into appropriate well and incubate with cells.
4. Add Resazurin solution to plate (10 % of the initial volume in the well). Return cells to the incubator and continue the incubation at for least 1 hour and up to 24 hours at 37 °C  
  
Incubation times may vary depending on the metabolic rates of the cell lines being tested).
5. Measure absorbance at 570 nm (If wavelength correction is available, set to 600 nm) or fluorescence with excitation at 530-570 nm and emission at 590- 620 nm using a microtiter plate reader