

QUICK REFERENCE

Premo™ Cellular Hydrogen Peroxide (H₂O₂) Sensor, Orp1-roGFP

Catalog no. P36243

Pub. no. MAN0009953

Rev. A.0

Store at 2–8°C, protected from light. Do not freeze.

Complete detailed protocol is available online at www.lifetechnologies.com.

WARNING! For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from www.lifetechnologies.com/support.

Guidelines for use

- Before use, mix the Premo™ Cellular Hydrogen Peroxide (H₂O₂) Sensor by inversion to ensure a homogenous solution.
- You may add the Premo™ Cellular H₂O₂ Sensor to cells immediately after plating, or to cells in suspension before plating.
- Premo™ Cellular H₂O₂ Sensor works with most cell types between 80 and 240 particles per cell (PPC).
- For optimal results, you may need to alter the PPC, volume, cell density, temperature, or incubation time.

For Research Use Only. Not for use in diagnostic procedures.

Quick protocol

The following protocol is based on a 2-mL volume and 75,000 cells plated on a 35-mm dish, and a PPC (particles per cell) of 80.



1. Add 60 μL of Premo™ Cellular H_2O_2 Sensor per 75,000 cells in growth medium.

Note: Adjust Premo™ Cellular H_2O_2 Sensor amount for specific cell type and experimental conditions.



2. Incubate for 48 hours at 37°C.



3. Analyze cells using an instrument capable of dual excitation at 400-nm and 488-nm, and emission at 515-nm.

Limited Product Warranty

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