QUICK REFERENCE

molecular probes® by life technologies™

CellROX® Flow Cytometry Assay Kits

Pub. No. MAN0007985 **Revision** 1.0

Detailed protocol is available online at **www.lifetechnologies.com/manuals.**

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.

CellROX® Detection Reagent	Cat. No.	Ex/Em maxima (in nm)	Suggested Dead Cell Stain
CellROX® Deep Red	C10491	640/665	SYTOX® Blue Dead Cell Stain
CellROX® Green	C10492	508/527	SYTOX® Red Dead Cell Stain
CellROX® Orange	C10493	545/565	SYTOX® Red Dead Cell Stain

For research use only. Not for use in diagnostic procedures.

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Quick Protocol

1. Grow cells to sub-confluency or prepare cell suspensions at 10^4–10^6 cells/mL in complete medium.
2. Prepare negative and positive control (see detailed protocol).
3. Induce ROS in cells using the desired method.
4. Add the CellROX® Detection Reagent at a final concentration of 500–1000 nM (see detailed protocol); incubate for 30–60 minutes at 37°C, 5% CO_2, protected from light.
5. During the final 15 minutes of staining, add 1 µL of the appropriate SYTOX® Dead Cell Stain solution per mL cell suspension.
6. Analyze samples on a flow cytometer equipped with appropriate lasers and filters for excitation and collection, applying standard fluorescence compensation (see detailed protocol).

For support visit lifetechnologies.com/support

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