

C.LIVE TOX GREEN AND C.LIVE TOX RED

# Real-time direct detection of cytotoxicity



**Cytotoxicity assays** measure the toxic effects of various cytotoxic drugs or physical stressors on cells.

**C.LIVE Tox reagents** directly and reliably identify cytotoxicity in real time through an easy mix-and-read workflow.

**C.LIVE Tox Green and Red** are sensitive DNA-binding dyes that are nonpermeable to viable cells and nonfluorescent outside of the cells. After entering dead cells through damaged plasma membranes and binding to DNA, the reagent emits bright fluorescence. The growth and morphology of healthy cells are not affected by the addition of C.LIVE Tox reagents.

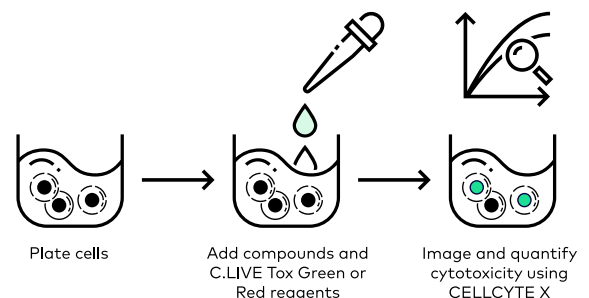
**CELLCYTE X™**, CYTENA's high-throughput, incubator-friendly live cell imaging system offers the best long-term, real-time monitoring of live and dead cells.

## Advantages of CYTENA's cytotoxicity assays

- Direct detection of dead cells with C.LIVE Tox reagents
- Optimized for long-term live cell studies
- Easy mix-and-read workflow
- Kinetic monitoring of cytotoxicity by measuring fluorescent objects over time

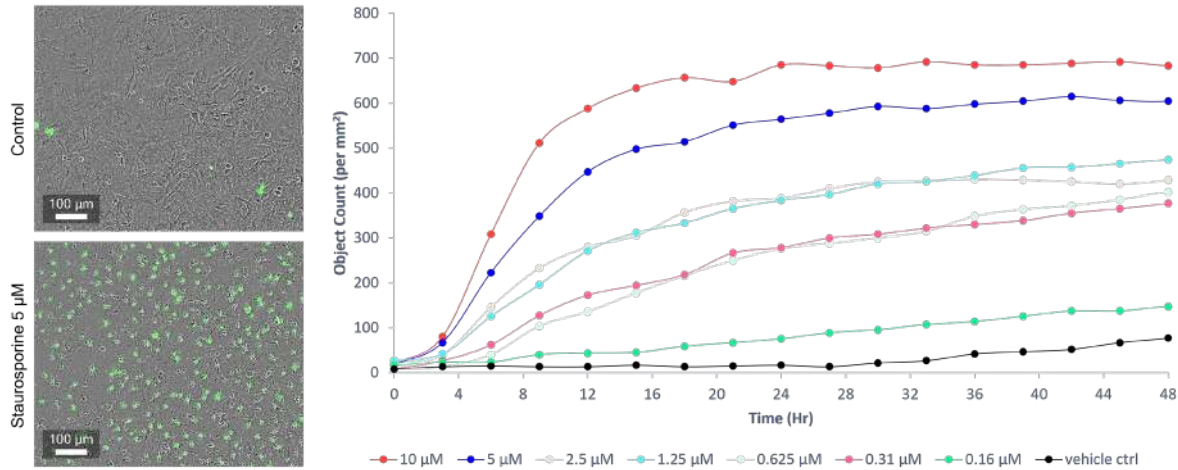
## Mix-and-read protocol for cytotoxicity assays

Run your cytotoxicity assays in **three simple steps**: plate the cells, add compounds with C.LIVE Tox reagent and monitor cell health kinetically using the CELLCYTE X imaging system.



# Real-time cytotoxicity analysis in your incubator

Use the CELLCYTE X to image and quantify fluorescent signals of your cytotoxicity assay without removing the cells from the incubator.



HeLa cells were treated with increasing concentrations of Staurosporine. C.LIVE Tox Green was added to each well (250nm) and time-lapse images were obtained with the CELLCYTE X. The control well shows minimal green signal compared to Staurosporine-treated well at 48 hours (left panel). Automated quantification shows the time- and dose-dependent toxicity effects of Staurosporine (right panel).

## C.LIVE Tox Reagents product information

Product Name	Barcode	Price	Channel	Amount	Concentration	Maximum samples	Storage	Stability
C.LIVE Tox Green	D16110024374	\$150 / €150	Green	5 x 5 µL	1 mM	500-1000	-20°C	12 months
C.LIVE Tox Red	D16110024375	\$150 / €150	Red	5 x 5 µL	1 mM	500-1000	-20°C	12 months
C.LIVE Tox Green *Trial size	D16110024376	\$35 / €35	Green	1 x 5 µL	1 mM	100-200	-20°C	12 months
C.LIVE Tox Red *Trial size	D16110024377	\$35 / €35	Red	1 x 5 µL	1 mM	100-200	-20°C	12 months

LEARN MORE



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