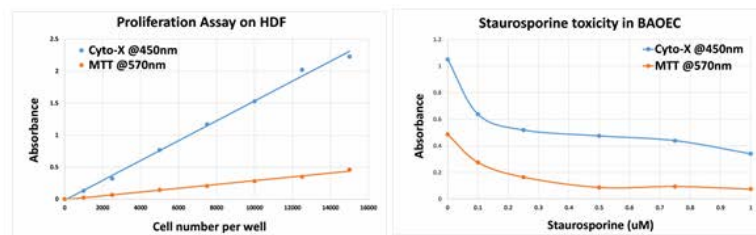


# Cyto-X - Cell Viability & Proliferation Assay

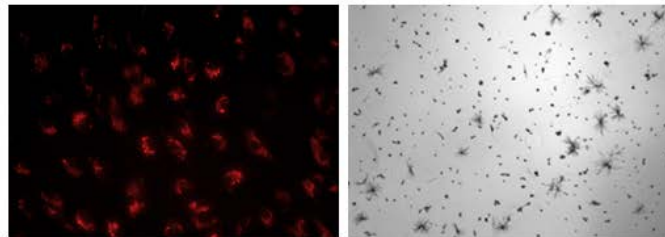
Cyto-X is a product of our partner CellApplications, Inc. (San Diego, USA)

## 1. More Sensitive



**Left:** Human Dermal Fibroblasts (HDF) were seeded at different concentrations. Cells were counted the next day using the Cyto-X (blue) and MTT (orange) assays. **Right:** Bovine Aortic Endothelial Cells (BAOEC) were treated with staurosporine for 16 hours. Cell number was determined by Cyto-X and MTT assays.

## 2. Less Toxic



**Left:** Cyto-X was added to Human Umbilical Vein Endothelial Cells (HUVEC) for 24 hours. Following the Cyto-X cell counting assay, HUVEC are still proliferating and capable of uptaking DiI-Ac-LDL, demonstrating HUVEC are metabolically active, and that downstream applications are possible. **Right:** By contrast, after the MTT assay, toxic formazan is formed and HUVEC are dead.

## 3. User Friendly: fewer steps & less wait time

Cyto-X:

1. Add your drug to cells.
2. Add Cyto-X to cells and incubate 1-4 hours.
3. Read Absorbance.

MTT:

1. Change to phenol red-free medium.
2. Add your drug to cells.
3. Add MTT to cells and incubate 4 hrs.
4. Wash cells 3 times.
5. Add Extraction Solution.
6. Rock the plate to solubilize dye.
7. Read Absorbance.

### Available Products:

Cat#	Product	Quantity
PB-028-01	Cyto-X - 500 tests	1 bottle
PB-028-05	Cyto-X - 2500 tests	5 bottles
PB-028-10	Cyto-X - 5000 tests	10 bottles