

## Assay Name: Kinetic viability using DRAQ7

**Assay ID:** Celigo\_02\_0006

**Description:** Detect and quantify the number of DRAQ7-positive cells in a kinetic viability assay

**Stains:** DRAQ7 (Far Red) for detection of dead cells

**Imaging channels:** Far Red, Bright field

**Image analysis algorithm:** Celigo software Target 1 + 2

### Methods:

1. Seed MDA-MB-231 adherent cells in a 384-well plate
2. Treat with selected drugs or vehicle control
3. Stain the cells with DRAQ7 and incubate for 24, 48 and 72 hours at 37°C, 5% CO<sub>2</sub>
4. Image entire 384-well plate (whole-well imaging) after each time point of 24, 48 and 72 hours
5. Analyze viability images using Celigo to obtain the dead cell counts, ~ 20 minutes

### Results:

Kinetic viability assay using MDA-MB-231 cells treated with Benzethonium drug

MDA-MB-231 Adherent:

