

Assay Name: Kinetic viability using Propidium Iodide

Assay ID: Celigo_02_0011

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

Stains: PI (Red, for detection of dead cells)

Imaging channels: 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 PI and incubate for 24, 48 and 72 hours at 37°C, 5% CO₂
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 Target 1+2 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:

