

Assay Name: Endpoint viability using DRAQ7 and Hoechst

Assay ID: Celigo_02_0005

Description: Detect and quantify the number and percentage of DRAQ7-positive cells using Hoechst

Stains: DRAQ7 (Far Red, for detection of dead cells); Hoechst (Blue, for detection of total nucleated cells)

Imaging channels: Far Red, Bright field, Blue

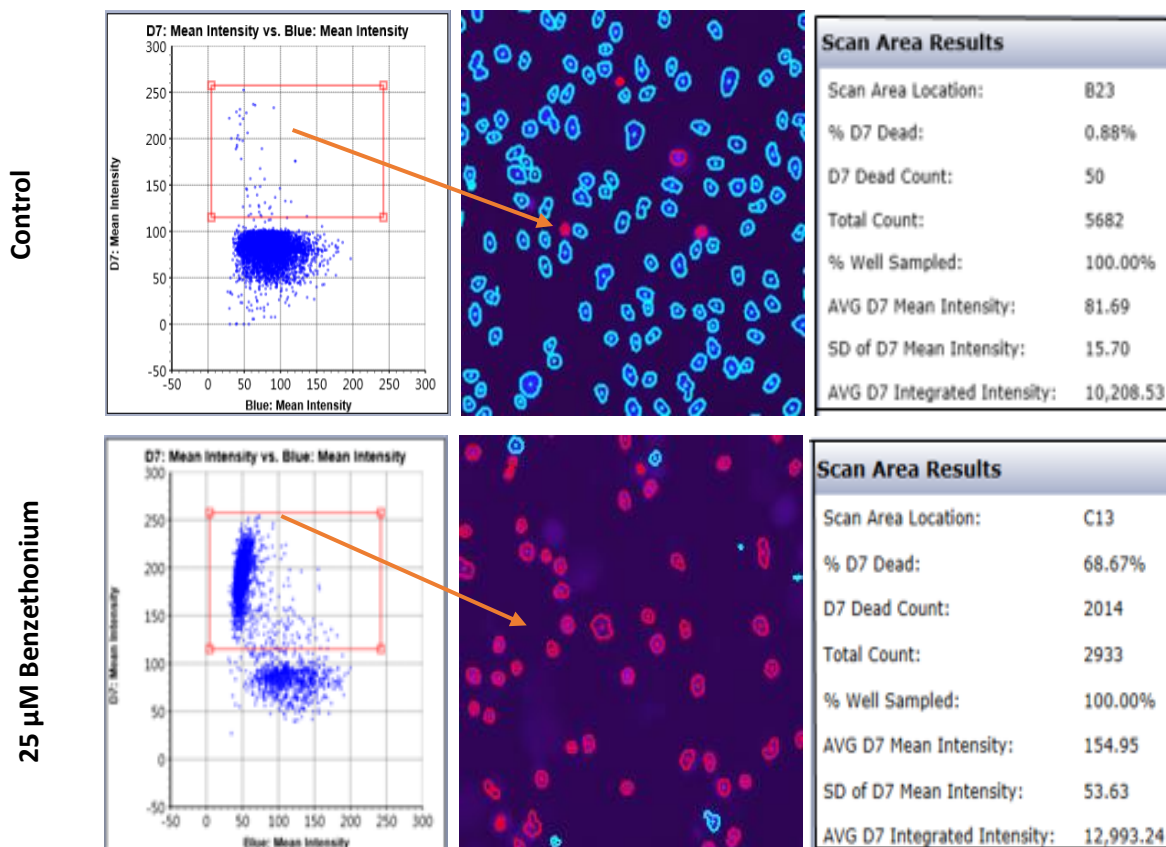
Image analysis algorithm: Celigo software Target 1 + 2 + Mask

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 Hoechst after 24 hours of incubation
4. Image entire 384-well plate (whole well imaging) in ~15 minutes
5. Analyze viability images using Celigo gating interface

Results:

Viability assay using MDA-MB-231 adherent cells treated with Benzethonium and control



IC₅₀ dose-response curves and values for all 3 tested time points

