



## CELL VIABILITY - MUH ASSAY

- Cells are seeded into 96 clear-well F-bottom plates at a cell density of  $1.0 \times 10^4$  cells per well and incubated overnight (5% CO<sub>2</sub> and at 37°C) to attach to the bottom of the wells.
- The screened compounds are diluted made in the same cell culture as your cells need and 100 µL of the dilutions are added to the corresponding wells.
- After an overnight incubation, the cells are washed twice with PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>).
- Finally, 50 µL of 4-Methylumbelliferyl heptanoate (MUH reagent) (SIGMA), dissolved in PBS to a final concentration of 100 µg/mL, is added per well.
- The cells are then incubated at 37°C in the dark for 35 min.
- The fluorescence is measured using a multi-mode plate reader (Flexstation3, Molecular Devices) with excitation at 355 nm, emission at 460 nm and cut-off at 455 nm.
- Results are normalized to the untreated controls.