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Lysosomal membrane integrity

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ABSTRACT

Lysosomal membrane integrity

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- 1 seed cells (SHSY-5Y) for 24:00:00 in a 12 well plate at a density of 1×10^5 cells per well
- 2 incubate cells with 5 µg/ml acridine orange (dissolved in media) for 00:15:00 at 37 °C 15m
- 3 discard medium and wash cells with 1 mL of 1X PBS.
Add fresh medium to the wells.
- 4 treat cells with SPM (different concentrations: 0.001, 0.01, 0.05, 0.1, 0.5, 1, 2.5, 5 and 10 mM) and positive control with chloroquine (500 µM) for 02:00:00^{2h}
at 37 °C

- 5 collect cells and resuspend in 1X PBS + 1% BSA.
- 6 capture the mean fluorescence of 10 000 events with a flow cytometer.