

MULTIFLOW[®] – γ H2AX KIT

Multiple endpoints. One step.

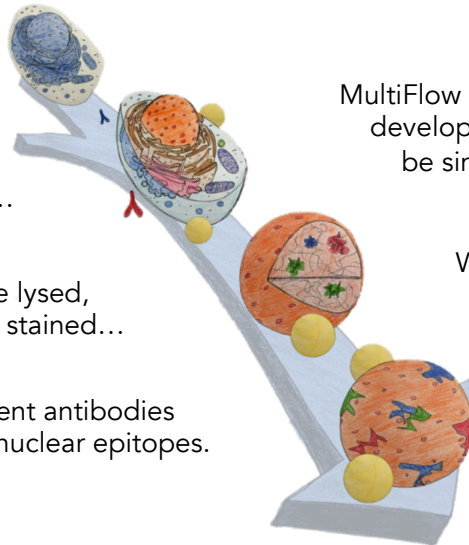
The Method

In just one step:

reagents are added to cells...

outer membranes are lysed, nuclei are stained...

and fluorescent antibodies bind to nuclear epitopes.



MultiFlow add-and-read kits were developed from the ground up to be simple and efficient.

When microtiter plates are used to collect these multiplexed data, the amount of test compound necessary for analysis is dramatically reduced.

At this point nuclei are ready for flow cytometric analysis.

Endpoints

- Double strand DNA breaks via γ H2AX
- Cell density
- Cell proliferation
- Cytotoxicity

Benefits

- High Information Content
- Multiplexed Assay format
- Simple and efficient
- Fast, flow cytometric analysis
- Scalable – compatible with microtiter plates and robotic liquid handlers

Sample Plots

Compared to the negative control (left) 4 hours of exposure to camptothecin induced a large fluorescence shift (right).

