

MULTIFLOW[®] – p53 KIT

Multiple endpoints. One step.

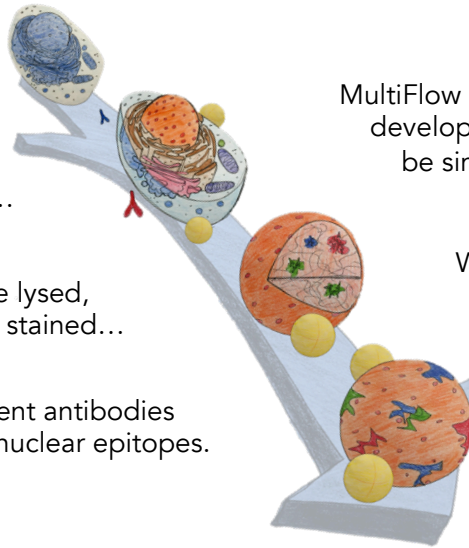
The Method

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

- Genotoxic stress via p53
- 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).

