Fidelta
A Galápagos Company

We make the difference in efficacy and safety

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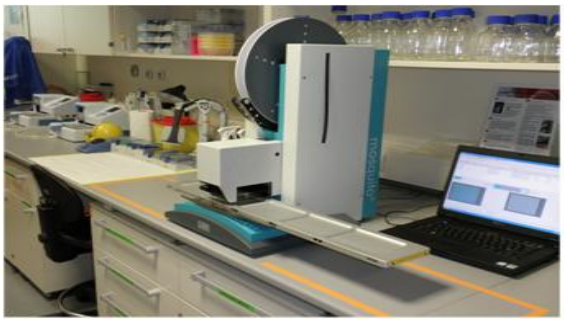
In Vitro Pharmacology

Cytotoxicity/Proliferation Screening

Cell-based screening for improved discovery and optimization of Hits & Leads

- More than decade of experience and industry track record in screening and compound profiling.
- Automatisation and miniaturisation possibilities (utilization of TTP labtech Mosquito nanoliter pipetting platform allows easier setup of the assays -flexible and applicable for low-DMSO-level requirements).
  - Transfer of as low as 50 nL of DMSO stock solution into a dry assay plate.
  - Cytotoxicity/proliferation assays in 96- and 384-well plate format.



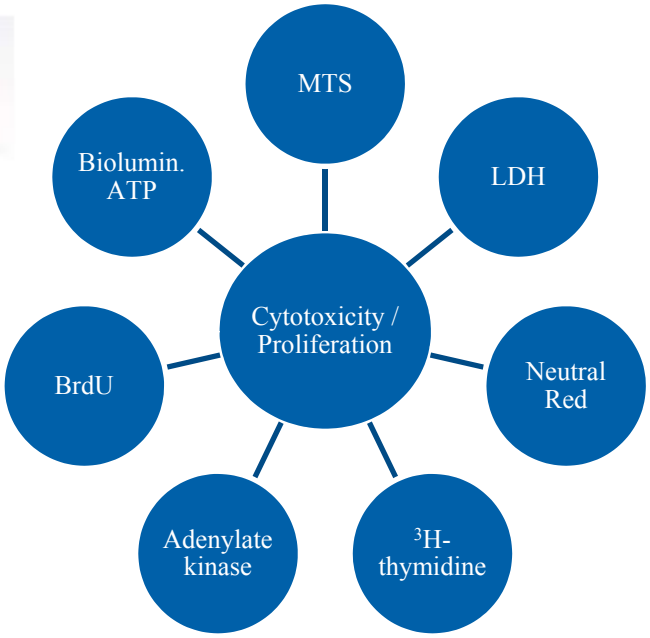
Mosquito nanoliter dispensing unit (X1, TTP labtech) and Multidrops (Thermo scientific).

JANUS automatic pipetting workstation and EnVision multimode reader (Perkin Elmer)

Assay development, optimization and validation

• High-throughput prediction of potential drug toxicity/inhibition of cell proliferation is necessary in early stage of drug discovery.

• Very popular and broadly used cell viability/cytotoxicity assays are tetrazolium-based colorimetric assays using MTS, assays that detect lactate dehydrogenase (LDH), bioluminiscent ATP cytotoxicity, neutral red (NR) and [^{3}H]-thymidine incorporation, as wel as some other assays. Different markers indicate the ratio of the number of dead and alive cells.



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