



Cell-based Assays

What is the advantage of cell-based assays?

Cell-based assays are an indispensable tool to characterize the functionality of biologics and biosimilars. Cultured cells offer an accurate representation of the physiological conditions in which drugs function. The main applications for our specific cell-based assays are mode of action research during drug discovery, cytotoxicity analysis during drug development and comparability assessments during biosimilar development.

What is our approach?

Eurofins Munich has a long track record of developing tailored cell-based assays and transferring established methods. According to client needs, we base our assays on either primary cells to ensure physiological relevance or established cell lines for high repeatability. Our versatile assay platforms allow us to offer a wide range of read-outs including but not limited to: cell proliferation and death, cytokine secretion, biomarker expression, potency and drug internalization. Following method development, we can conduct a formal assay validation in compliance with GLP or a non-GxP assay qualification, if required to demonstrate the validity of drug candidate measurements.

What is the impact of your drug on cells?

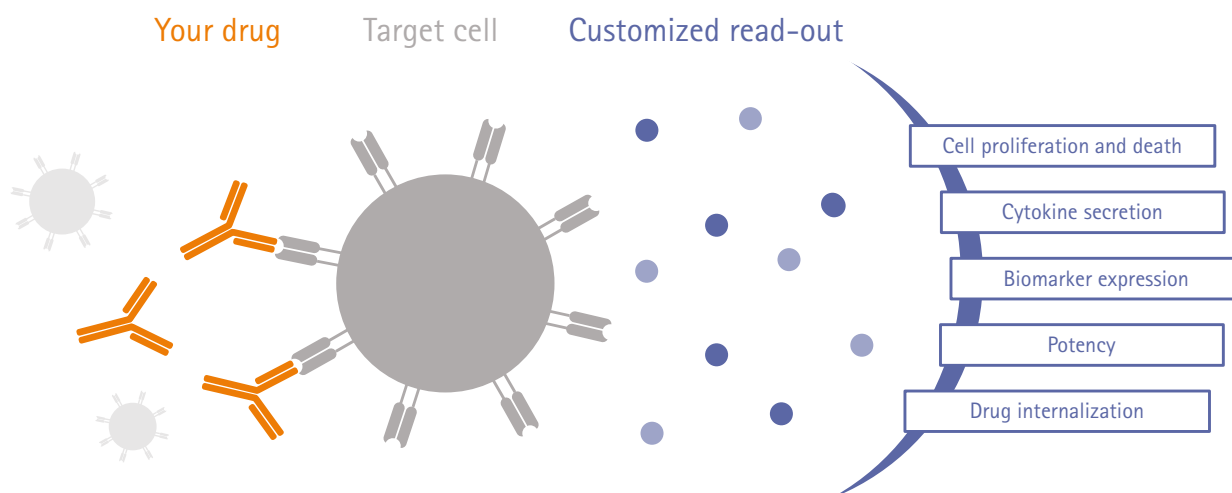
We have the expertise to assess the cellular impact of your drug and have broad experience with the following assay platforms:

- Antibody-dependent cellular cytotoxicity (ADCC) and complement-dependent cytotoxicity (CDC) assays to examine drug-mediated cytotoxic effects
- Cytokine release assays (CRA) and mixed lymphocyte reaction (MLR) as safety assessment for drug-mediated cytokine storm and to investigate drug-mediated immunomodulation
- Biomarker analysis and proliferation assays to explore drug-mediated cellular effects
- Internalization assays to monitor drug uptake
- Potency assays to compare the biological effects of drug variants

... and many more customized assays!

Your drug – our read-out!

Contact us at info-munich@eurofins.com



Our Services

Chemistry/Biochemistry
Cell Banking Services
Facility & Process Validation
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Method Development & Validation
Microbiology

Molecular & Cell Biology
Raw Materials Testing
Release Testing
Stability Testing & Storage
Viral Clearance & Viral Safety
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With more than 25 Laboratories in 13 countries, Eurofins BioPharma Product Testing is the largest network of harmonized bio/pharmaceutical GMP product testing labs worldwide.

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