

# Automated Cell Biology Platform



Fluofarma High Content Screening platform combines cell-based assays with large-scale analysis.

## Fully integrated laboratory

**Automation:** A unique platform fully integrated from cell culture to data analysis.

**Analysis:** Functional measures using an automated 96-well plate flow cytometer.

**Multiplexing:** Measure of up to 5 parameters simultaneously in single cells.

**Capability:** 2000 wells tested a day, 2500 cells analyzed individually per well.

**Reproducibility:** Highly reliable tests (Z-factor between 0.84 and 0.91).



Fluofarma platform: fast, predictive & reliable

## Platform performances

**Versatile:** Fluofarma platform is adapted to a variety of:

- **Candidates:** screening of chemical compounds, crude extracts or gene collections...
- **Cellular models:** analysis of human cell lines, primary cultures, unicellular organisms...
- **Assays:** large-scale multiplexed functional analysis, predictive toxicity testing, analysis of drugs mechanism of action.

### Powerful and reliable:

Fluofarma unique High Content Screening platform combines a large number of cells individually analyzed with quantitative measures of molecular events.

Number of cells analyzed individually      Reliability of the measures & data analysis

	Number of cells analyzed individually	Reliability of the measures & data analysis
<b>Fluofarma Platform</b>	+++	+++
Laser Scanning Cytometry	-	+
Confocal Microscopy	+	+
Camera-Based Imaging	++	+