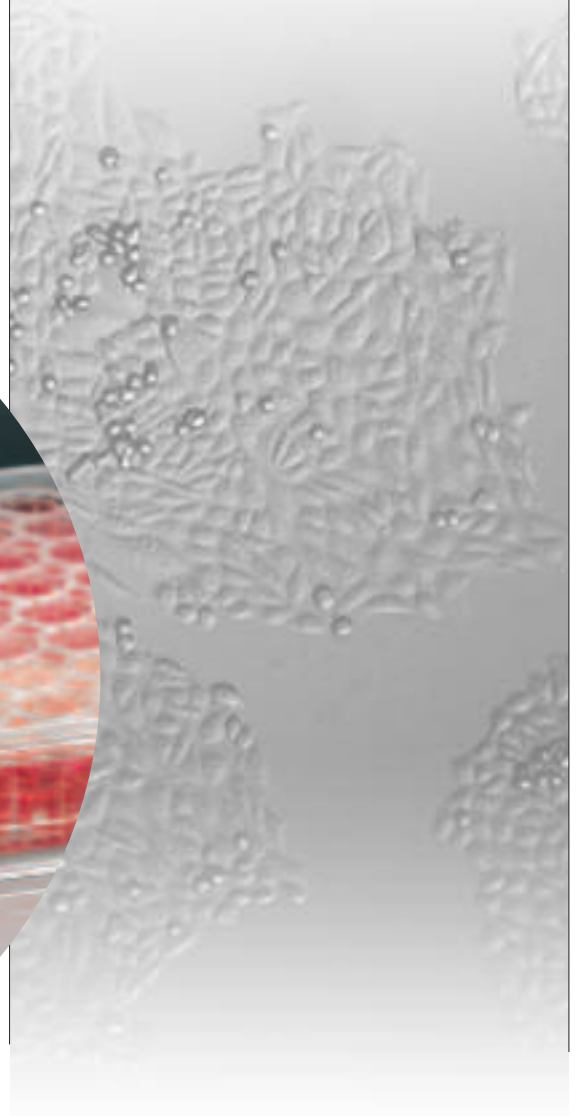
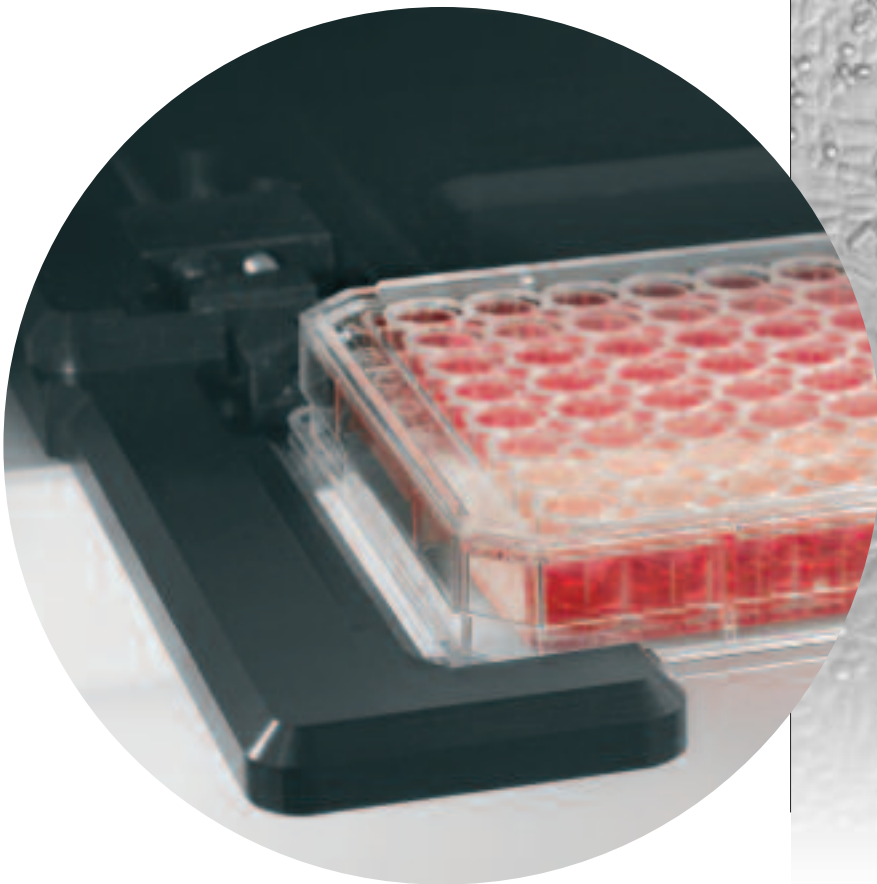


Cellavista⁺

Cellular analysis in
microplates



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Your all in one solution for cells in wells

Cellavista

Cellavista represents a fast and flexible image-based platform technology designed to combine the advantages of brightfield imaging and fluorescence capabilities in order to deliver unprecedented results for a broad range of cellular applications in the areas of cell line development, cellular research and drug discovery.

A complete solution

Cellavista automates all steps of image-based analysis.

- The fast and reliable image acquisition enables a complete scan of a 96 well microplate within 5 minutes (4x, brightfield)
- The automated, high-quality image analysis can be performed in parallel with the acquisition step.
- The powerful and easy to use graphical user interface displays the images and analysis results as whole plate overviews, histograms, scatter plots and time charts.

Flexibility

Cellavista can be used for a large numbers of cellular applications that require a high degree of flexibility. This high degree of flexibility is reflected by the Cellavista design:

Illumination

- Brightfield as well as up to 6 fluorescent channels

Magnification

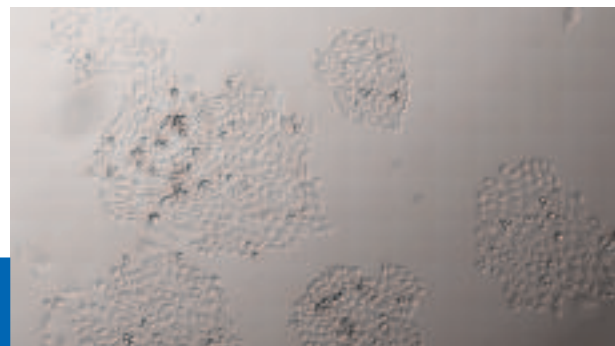
- up to 5 microscope objectives on board (2x, 4x, 10x, 20x, 40x)

Culture Systems

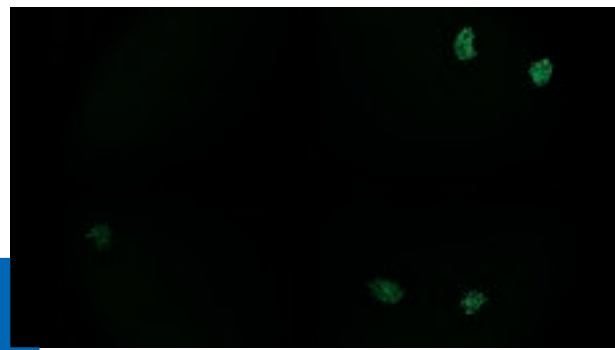
- 384, 96, 48, 24, 12 and 6 well microplates
- Microscope slides
- Chamber slides
- Small culture dishes and T-flasks

Software and Image Analysis

The easy to use software gives the user a broad choice with respect to the objects to be analyzed (e.g. cell colonies, individual cells, cell nuclei,...) as well as the parameters to be delivered by the image analysis software. The unique image analysis architecture makes it easy to integrate new algorithms and parameters as well as adapt existing ones.

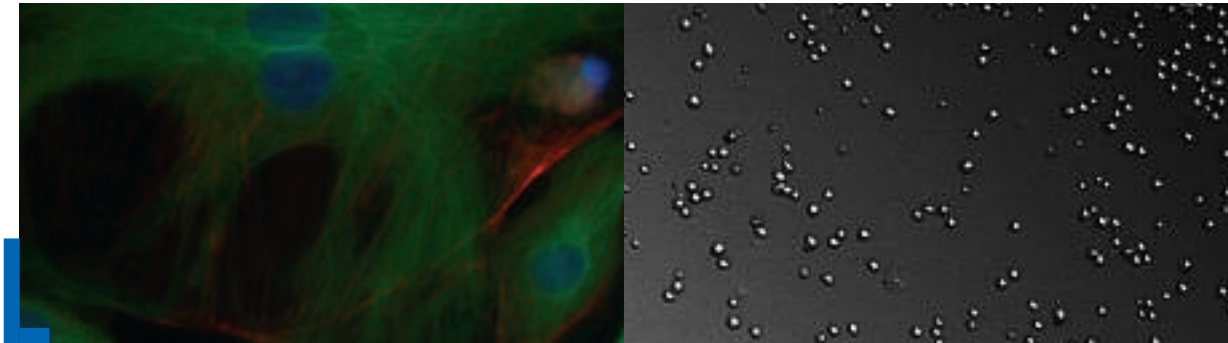
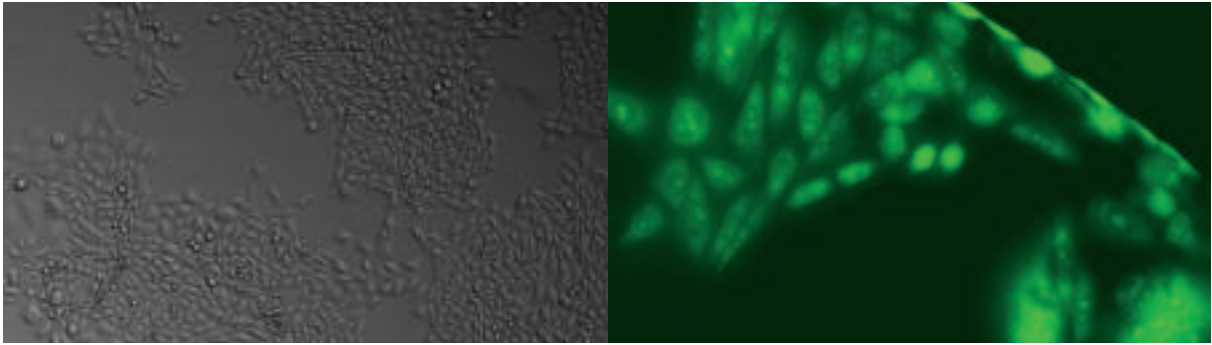


Cellavista uses the unique combination of brightfield and fluorescent images in order to not only detect colonies, but to characterize them by size and fluorescent intensity.



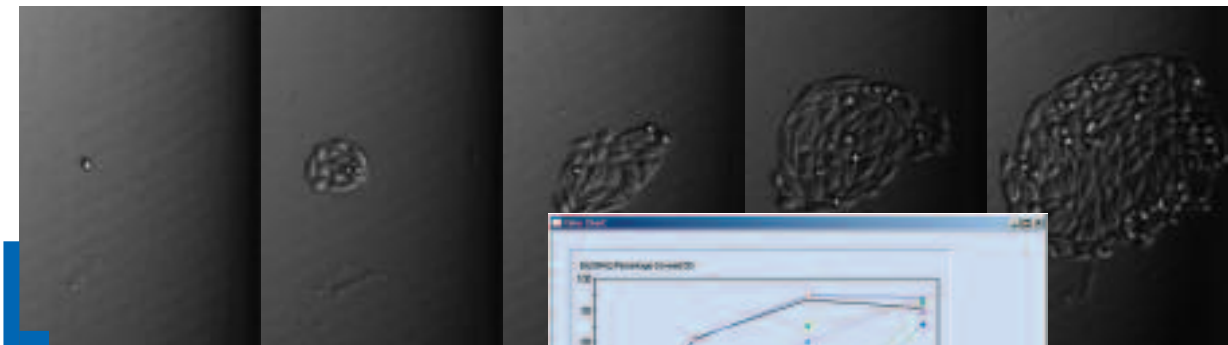
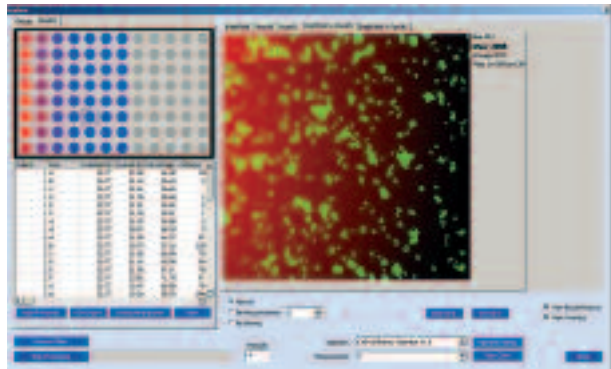
Get the whole picture: Cellavista works on many orders of magnification, providing information at the level of the well, colony and individual cell.



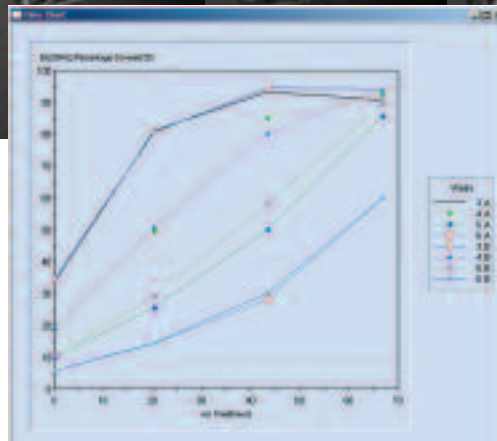


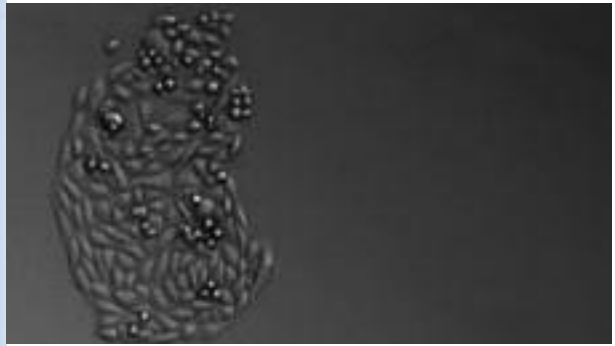
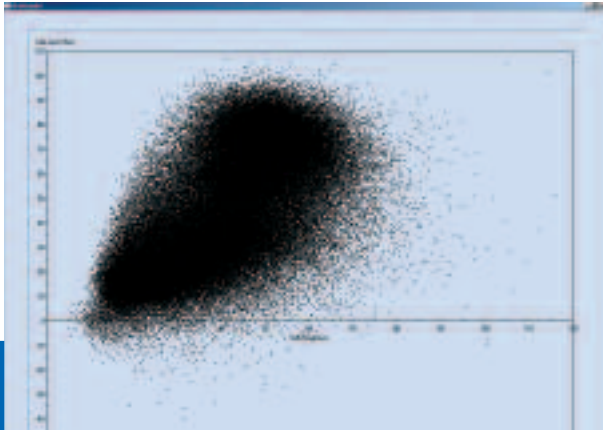
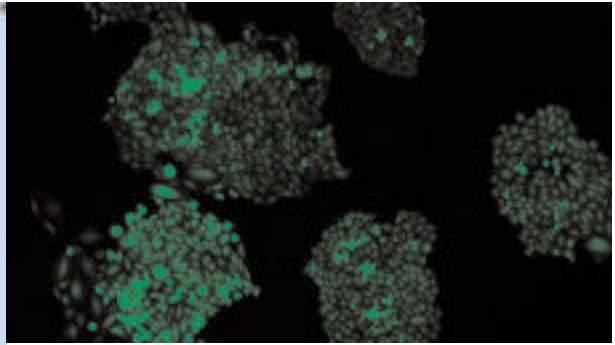
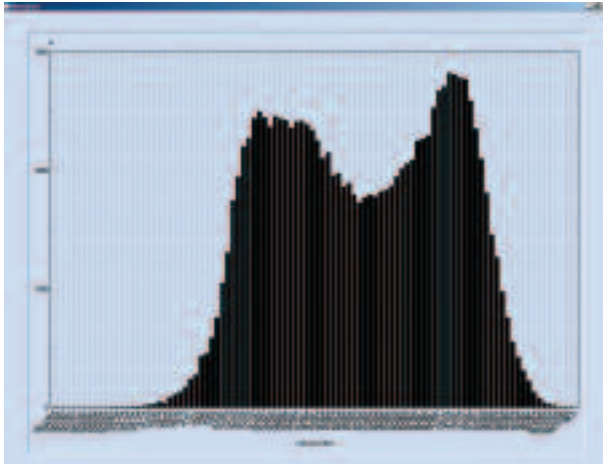
Cellvista features measurements of cell confluence, suspension cell count, cell colony detection ("cloning") and analysis of fluorescent cells.

The powerful yet easy to use graphical user interface provides you with a fast overview of the whole plate with respect to any parameter of interest.

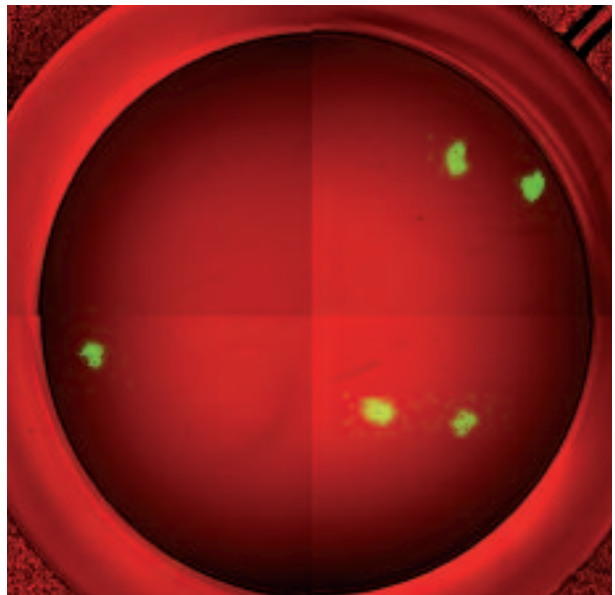
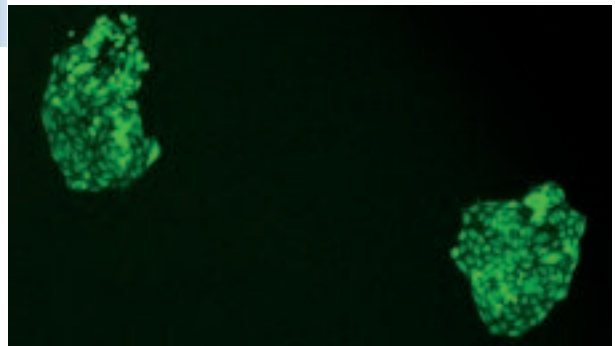


The Cellvista enables you to closely monitor cell growth over time and also allows for the documentation of colony mono-clonality.





Histogram and scatterplot charts provide you



Easy to automate

With an awareness of the growing need for automation within the pharmaceutical industry, the Cellavista was designed to be highly automation-friendly, making it easy to integrate into automated solutions containing plate incubators or clone picking stations.

User Benefits

- Brightfield and fluorescence capabilities
- Saves time and money compared to manual microscopy
- Non-invasive measurement possible
- Fast
- Easy to use
- Automation-friendly design

Applications

Cellavista supports an ever expanding range of applications in wide areas of cellular research and development. This includes, but is not limited to:

- Single cell cloning
 - Cell confluence
 - Suspension cell count
 - FACS seeding efficiency control
 - Cell nuclei count and characterisation
 - Transfection efficiency
 - Microplate quality control
 - Viral plaque assays
 - Fluorescent protein expression
 - Apoptosis assays
- ...and many more fluorescent applications

Service and Support, Customized Development

innovatis AG supports its customers with a complete product portfolio in order to help optimize research and development processes as well as the manufacturing of pharmaceutical products. Internationally positioned, innovatis AG supplies top quality systems, consumables and services.

- Service & Support Hotline
- Service Contracts
- Preventive Maintenance Contracts
- Customer training
- Customized Image Analysis
- Application Workshops

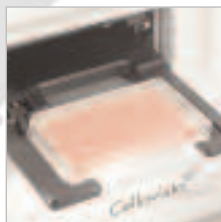


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innovatis AG, headquartered in Bielefeld, Germany, specializes in integrating lab processes and automating cell culture analysis.

Based on proven technology, we offer the best range of product solutions for research, pharmaceutical and biotechnology industry – all over the world. Individual service packages complete the product portfolio dedicated to customers' needs.



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