



**Bioimaging • Cell Processing  
Biophysics • Bioprinting**

**Cutting Edge Technology for Biosciences**

# ANIMAL IMAGING



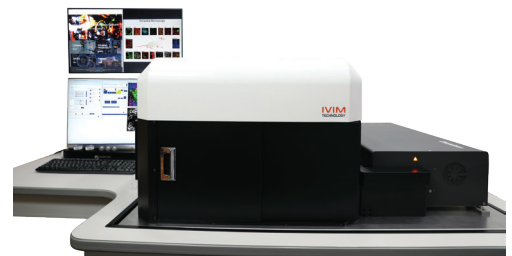
## Preclinical Nuclear and Molecular Imaging

In vivo preclinical multi-modality imaging systems integrating PET, SPECT, CT, and MRI for comprehensive and high-resolution anatomical and functional analysis.



## Intravital Microscopy

Confocal and/or multiphoton microscopy platform for fluorescence imaging of small animal models in vivo at a cellular level. Enables detailed visualization of biological processes and exploring complex dynamic behaviors of numerous cells inside a living model.



## In vivo Bioluminescence and Fluorescence Imaging

Highly sensitive optical imaging system dedicated to the visualization of in vivo, in vitro, and ex vivo applications. Enables to use of different bioluminescent and fluorescent reporters to visualize and track disease development within living animals in a non-invasive manner.



NEOSCAN

## Micro Computed Tomography

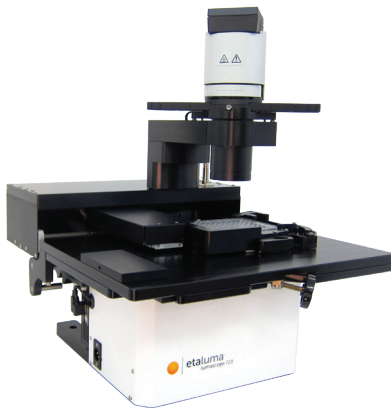
Precision non-destructive microtomography technique for ex vivo applications.





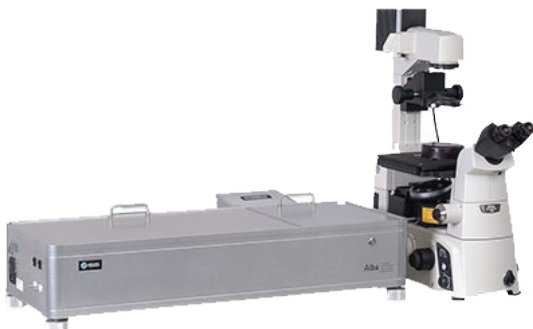
## **Label-free Live Cell Imaging System (Holography-based Imaging)**

Holography-based imaging system for a comprehensive single-cell level imaging solution, fitting within a standard CO<sub>2</sub> incubator. Includes an advanced software for automated segmentation, kinetic live cell tracking, and analysis from single-cell and population data.



## **High-resolution Live Cell Fluorescence Imaging**

Multi-channel automated inverted microscope with the latest advances in optics, cameras, throughput, and user flexibility. Live cell imaging system that offers minimum phototoxicity and the most stable environment for long-term widefield fluorescence imaging and analysis.



## **Superresolution Microscopy (STED)**

Alba STED microscope allows for the observation of fluorescence structures with spatial resolution below the diffraction limit. Enhanced resolution by pulsed excitation and pulsed depletion approach (pSTED), FastFLIM (lifetime imaging), and phasor plots use.



## **Desktop Scanning Electron Microscopy**

Compact, rapid, user-friendly, and high-performance SEM microscope. It supports energy dispersive X-ray spectroscopy (EDS), complementing SEM imaging with comprehensive elemental analysis.

# CELL IMAGING



## MI-SIM: live cell super-resolution imaging

MI-SIM revolutionizes cellular research with real-time super-resolution microscopy, delivering 60 nm resolution and up to 1500 fps. It enables detailed live-cell observation with minimal phototoxicity, ideal for long-term studies.



INNOPSYS

## Fluorescence Whole-Slide Scanner for Cell and Tissue Imaging

InnoQuant accelerates fluorescence imaging acquisition with simultaneous four-color scanning and high resolution, providing precise analysis of tumor microenvironments and cellular phenotyping. It offers advanced multiplexing capabilities for cutting-edge research in cellular and molecular biology.



# BIOPRINTING

CELLINK   
A BICO COMPANY

## Extrusion Bioprinters

Precisely dispense bio-compatible materials layer by layer, following tool paths generated in slices from 3D models. Flexible bioprinter systems and a wide range of bioinks, tissue-specific formulas, and photoinks shipped in sterile ready-to-use cartridges.

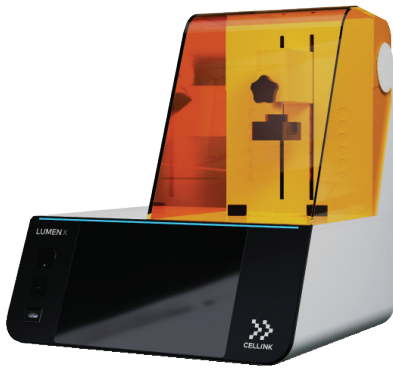


## CELLINK

A BICO COMPANY

### DLP Bioprinters

Light-based bioprinting produces constructs by initiating chemical reactions that solidify or cure bioinks only where they have been illuminated. This technology is faster because it cures whole layers simultaneously and can recreate more intricate details at much higher resolution.



### Fluidics platforms

Fluidic systems, bioreactor chambers, and pressure modulators to mimic the environmental conditions related with the onset of a disease. Develop advanced dynamic in vitro 5D models, closer to human reality, while maintaining your standard cell culture and protocols.



### W8: Analytical measurement and sorting for organoids

The W8 streamlines your daily routine by providing structural quantification of 3D cell models. Using unique biomarkers for compaction and structure, it offers scientists unparalleled insights into sample quality, diversity, and maturation.



# CELL PROCESSING



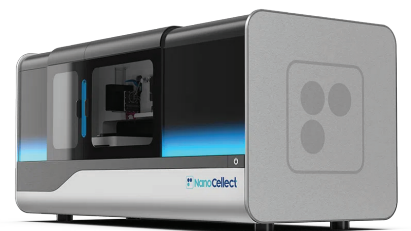
## Desktop Microfluidic Cell Sorter

Advanced benchtop microfluidic cell sorter designed for gentle cell sorting and single-cell dispensing with high cell viability.



## VERLO Image-Guided Cell Sorter

The VERLO™ Image-Guided Cell Sorter is providing flow cytometry and cell sorting along with the ability to perform imaging analysis to identify and sort cells based on morphology, subcellular localization and more.



# BIOPHYSICS

## AppliedPhotophysics

### Circular Dichroism

Advanced circular dichroism spectrometer for chiral molecular conformation and structural and thermodynamic properties determinations.



## AppliedPhotophysics

### Differential Scanning Fluorimetry

Next level of nano differential scanning fluorimetry integrating thermal ramping and isothermal chemical denaturation analysis in microplates.





## Grating-Coupled Interferometry

Cutting-edge biosensor for real-time, label-free analysis of biomolecular interactions, featuring no-clog fluidics and unparalleled sensitivity.



## Applied Photophysics

### Stopped-flow

Advanced stopped-flow system for high-resolution kinetic analysis of rapid reactions with precise temporal resolution.



### Microplate readers

Next-generation plate reader delivering precise and efficient measurements of absorbance, luminescence, fluorescence, dichroic fluorescence, polarization, and time-resolved fluorescence (TRF).



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