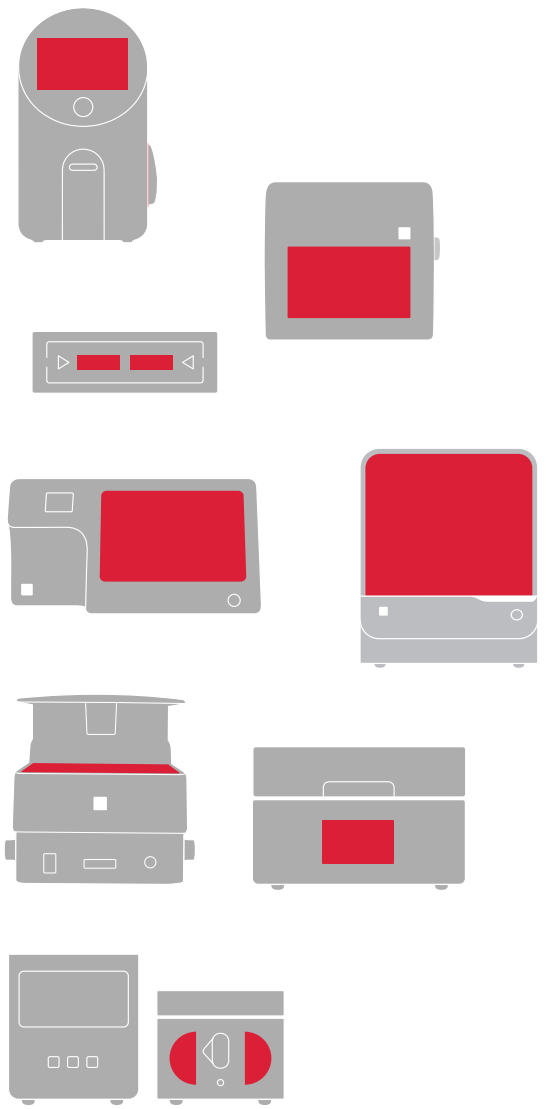
www.logosbio.com



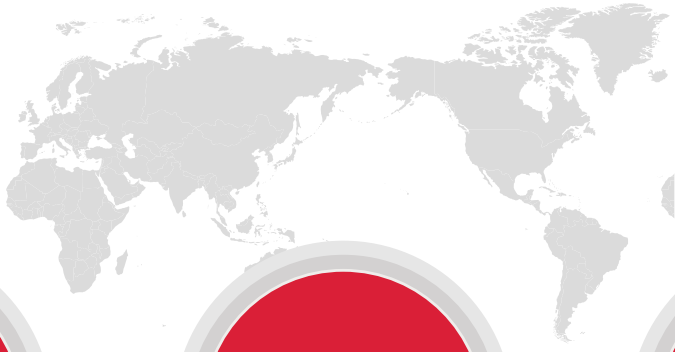
ADVANCED
IMAGING SOLUTIONS
FOR RESEARCH EXCELLENCE

logos biosystems

Company Overview

Logos Biosystems, Inc. is dedicated to developing simple and smart research solutions for scientific professionals worldwide. Our company was established in 2008 and launched its first product - the LUNA™ Automated Cell Counter.
Today, our products are in leading research institutions around the world, helping to streamline workflow, boost productivity, and facilitate research reproducibility. With our main headquarters in South Korea, we have expanded our presence with regional offices in the United States and Europe and distributors around the globe to serve our ever growing customer base.

ADVANCED IMAGING SOLUTIONS FOR RESEARCH EXCELLENCE



AUTOMATED CELL COUNTERS

Powerful technology and sophisticated image-based cell detection software for simple automated cell counting

CELL IMAGING SYSTEMS

Cell imaging systems to support a wide range of microscopy needs from simple cell culture analysis to high content screening

TISSUE CLEARING SYSTEMS

The world's first commercial solution for simple, rapid, and efficient tissue clearing

TECHNOLOGY DESIGNED FOR YOUR WORKFLOW

The experts in our biological research, electronic engineering, optical engineering, software engineering, mechanical engineering, quality control and assurance, and production teams work together to create the ultimate research solutions for you and your workflow.

Automated Cell Counters

Cell imaging is our area of expertise. We started with our classic LUNA™ and went on to develop a line of image-based automated cell counters known for their incredible speed, accuracy, and reliability. Our counters are equipped with high quality optics and sophisticated software that make cell counting as simple as inserting your sample and pressing 'count'. Cell concentration and viability data, images, and histograms are at your fingertips in as little as 7 seconds without the subjectivity, variability, and time investment of manual cell counting.

BRIGHTFIELD COUNTING

LUNA-BX7™
AUTOMATED CELL COUNTER Stable cell lines
L90001 / L90002 Bioprocess Package

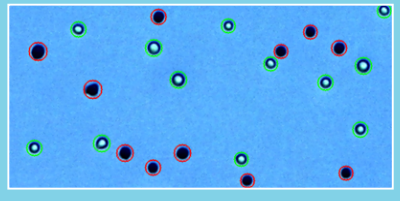
A cost-effective cell counter optimized for brightfield imaging, the LUNA-BX7™ inherits key features of the LUNA-FX7™ while delivering reliable, flexible performance for trypan blue and other viability stains.

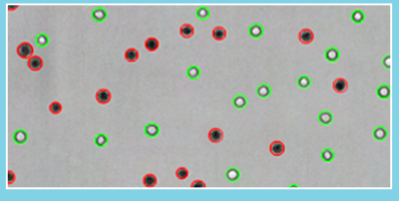
LUNA-III™
AUTOMATED CELL COUNTER Stable cell lines
L60001 / L60002 Sustainable Package

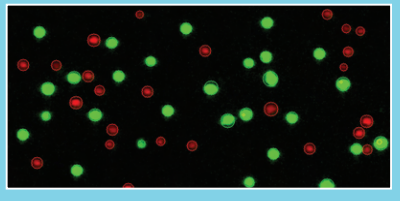
Cell counting redefined. With advanced algorithms, precise autofocusing, reusable slides, and non-toxic dyes, the LUNA-III™ delivers faster, smarter, and more connected counting—all in a compact, user-friendly design.

LUNA-II™
AUTOMATED CELL COUNTER Stable cell lines
L40001 with printer / L40002 without printer

The LUNA-II™ is cell counting convenience at its finest. Simply insert your sample and the LUNA-II™ does the rest: autofocus, adjust light, and count in just 15 seconds.







FLUORESCENCE COUNTING

LUNA-FX7™
AUTOMATED CELL COUNTER

Cell lines, Primary cells, Whole blood, PBMCs, Splenocyte, Thymocyte, Yeast cells

L70001 / L70002 Bioprocess Package

The largest counting volume up to 5 µL using multichannel slides, fast and precise autofocus, and dual fluorescence brightfield illumination can end the accuracy debate. 21 CFR PART 11-ready CountWire™ software will support additional complementary solution for your facilities.

LUNA-FL™
DUAL FLUORESCENCE CELL COUNTER

Cell lines, Primary cells, Blood cells, PBMCs, Splenocyte, Thymocyte, Yeast cells, GFP expressing cells

L20001

Equipped with dual fluorescence and brightfield optics, the LUNA-FL™ is our powerhouse. The LUNA-FL™ can assess cell counts, viability, and GFP transfection efficiency without being limited by cell type or size.

LUNA-STEM™
AUTOMATED FLUORESCENCE CELL COUNTER FOR STEM CELLS & SVF

Stem cells, SVF-derived cells

L30001

Adipose-derived SVF and stem cells are often contaminated with RBC and noncellular debris. The LUNA-STEM™ counts live nucleated cells, dead nucleated cells, and non-nucleated cells with precision and consistency for downstream procedures.

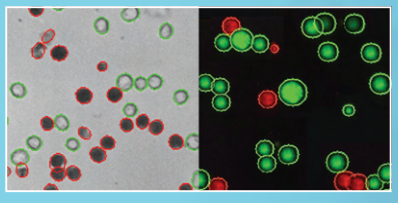
MICROBIAL COUNTING

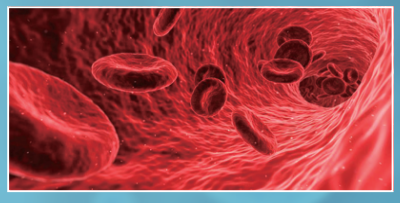
QUANTOM Tx™
MICROBIAL CELL COUNTER

Bacterial cells

Q10001

No more waiting days to count CFUs. In less than 30 seconds, the QUANTOM Tx scans up to 10 fields of view to produce accurate single bacterial cell counts. The advanced software can account for the varying shapes, sizes, and arrangements of different bacteria.





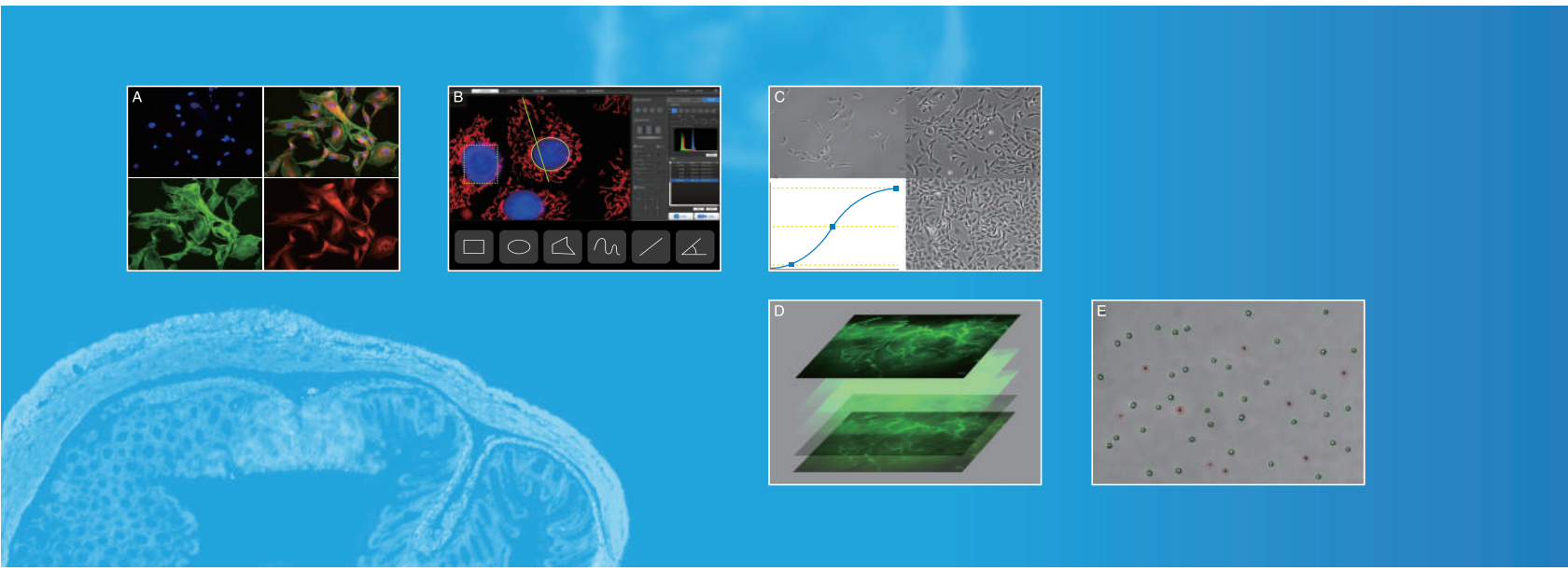
Cell Imaging Systems

We took what we know about cell imaging and took it a step further. Whether you need a high performance fluorescence imaging system on your benchtop or a high content imaging and analysis system to quantify complex cellular phenotypes, we have you covered.

CELENA® S DIGITAL IMAGING SYSTEM

CS20001
CS20002 – Starter Kit

The CELENA® S Digital Imaging System makes capturing high resolution, publication-quality images a breeze. Don't let its size fool you, the CELENA® S is equipped with advanced precision optics, a highly sensitive CMOS sensor, digitally controlled LED light sources with hard-coated fluorescence filters, and a computer with image analysis software. The sophisticated yet simple software supports multicolor fluorescence imaging, brightfield imaging, phase contrast imaging, live cell time lapse imaging, and Z-stack imaging.

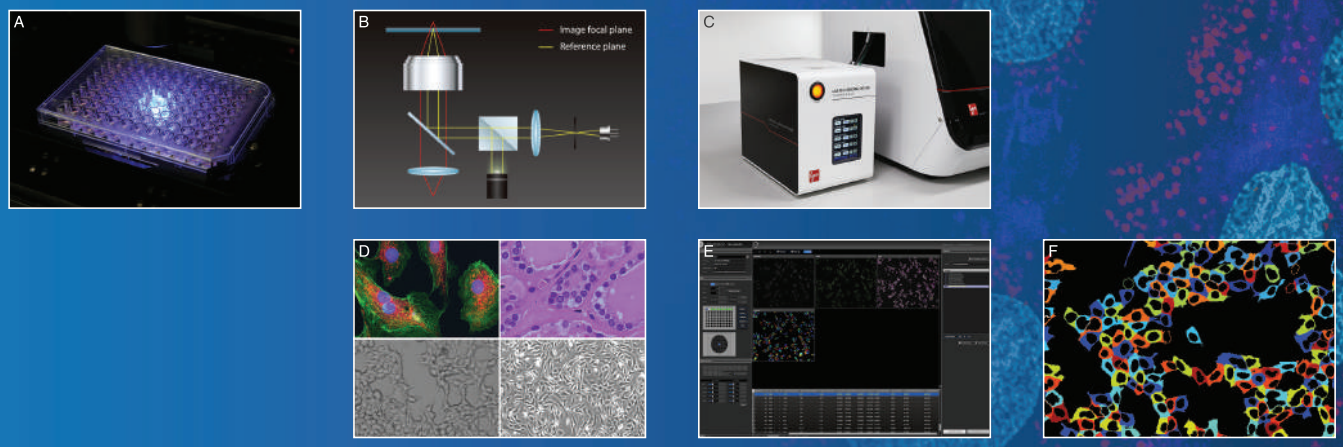


- A ····· MULTICOLOR FLUORESCENCE AND BRIGHTFIELD IMAGES
- B ····· ONBOARD DATA ANALYSIS
- C ····· LIVE CELL TIME LAPSE IMAGING
- D ····· Z-STACK IMAGING
- E ····· CELL COUNTING & VIABILITY ANALYSIS

POWERFUL, FLEXIBLE & AFFORDABLE

CELENA® X HIGH CONTENT IMAGING SYSTEM CX30000

The CELENA® X High Content Imaging System is an integrated imaging system designed for rapid, high content image acquisition and analysis. Customizable imaging protocols, image-based and laser autofocusing modules, and a motorized XYZ stage simplify well plate imaging and slide scanning. The integrated CELENA® X Cell Analyzer software allows you to set up advanced image analysis sequences that can be used to quantitatively analyze numerous cellular features for the simplest fixed cell assays to more complicated, time-lapse live cell assays.

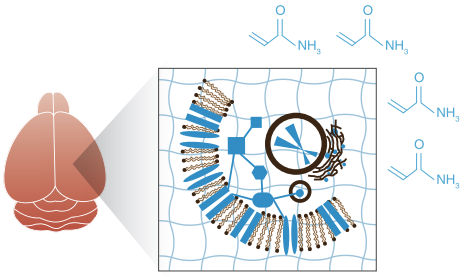


- A FULLY AUTOMATED PLATE AND SLIDE IMAGING
- B LASER AUTOFOCUS
- C LIVE CELL ASSAY SUPPORT
- D FOUR IMAGING MODES
- E POWERFUL, EASY-TO-USE USER INTERFACE
- F CUSTOMIZABLE HIGH CONTENT ANALYSIS

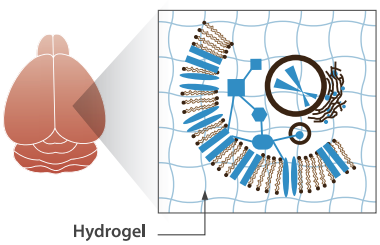
Tissue Clearing Systems & Reagents

With the X-CLARITY™, we took our imaging expertise in a different direction: volumetric imaging. X-CLARITY™ is based on CLARITY (Clear Lipid-exchanged Acrylamide-hybridized Rigid Imaging / Immunostaining in situ-hybridization-compatible Tissue hydrogel), a tissue clearing method that renders tissues optically transparent while preserving tissue structure and content for volumetric imaging. The X-CLARITY™ systems and reagents standardize, simplify, and accelerate each step of the tissue celaring process. Tissue clearing has never been so simple.

1 HYDROGEL INFUSION



2 TISSUE-HYDROGEL HYBRIDIZATION



X-CLARITY™ Hydrogel Solution Kit

C1310X

- **X-CLARITY™ Hydrogel Solution - 1 x 1 L**
- **X-CLARITY™ polymerization Initiator - 1 x 2.5 g**

The X-CLARITY™ Hydrogel Solution Kit is a pre-tested hydrogel solution for uniform and consistent tissue-hydrogel hybridization. The kit is made up of X-CLARITY™ Hydrogel Solution, an acrylamide-based solution used to create polyacrylamide, and X-CLARITY™ polymerization Initiator, a thermal free radical initiator also known as VA-044.

X-CLARITY™ Polymerization System

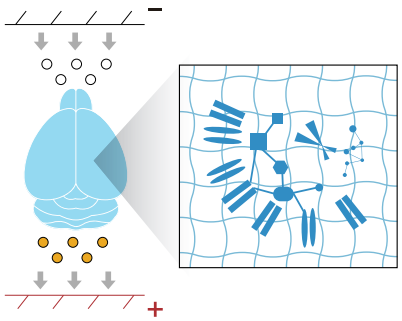
C20001

A standalone, automated system, the X-CLARITY™ Polymerization System eliminates the need for extra equipment like vacuum chambers, nitrogen gas tanks, or water baths. Samples can simply be placed in well plates or conical tubes to polymerize samples in a heated and strictly anaerobic environment. Vacuum strength, temperature, and a timer can be controlled with a simple touchscreen interface.

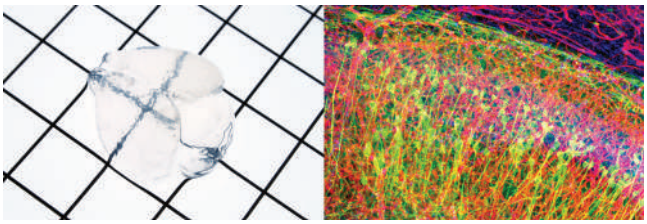
X-CLARITY™

SYSTEMS & REAGENTS FOR TISSUE CLEARING

3 LIPID REMOVAL



4 LABELING & IMAGING



X-CLARITY™ Tissue Clearing System II

C30001

The X-CLARITY™ Tissue Clearing System II is an all-in-one, easy-to-use solution for electrophoretic tissue clearing. Its unigue design accelerates the removal of lipids from tissues while preserving the structural integrity of the sample. Users can set electrophoretic or passive tissue clearing conditions through a simple and intuitive touchscreen interface.

Electrophoretic Tissue Clearing Solution

C13103 – 12 x 1L

A premixed, SDS-based buffer optimized for tissue clearing.

DeepLabel™ Antibody Staining Kit

C33001

- **DeepLabel™ Solution A - 1 x 25 mL**
- **DeepLabel™ Solution B - 2 x 25 mL**
- **DeepLabel™ Washing Buffer - 1 x 250 mL**
- **X-CLARITY™ Mounting Solution - 1 x 25 mL**

DeepLabel™ Antibody Staining Kit is a set of non-toxic, ready-to-use reagents optimized for use with clarifield tissues for effective antibody penetration and site-specific binding. With DeepLabel™, macromolecular probes rapidly and efficiently penetrate thick, protein-dense tissues at lower antibody concentrations.

X-CLARITY™ Mounting Solution

C13101 – 25 mL C13102 – 10 x 25 mL C13107 – 20 x 25 mL

X-CLARITY™ Mounting Solution is a refractive index matching medium that minimizes photobleaching and preserves fluorescence signals, making it an ideal solution for clarified and labeled tissue samples.

Customer Reviews Count

Logos Biosystems' instruments are used by scientists and researchers across the globe in laboratories of all shapes and sizes using diverse applications. That's why we believe customer reviews matter.

AUTOMATED CELL COUNTERS

Matthew Scarnati
Child Health Institute of New Jersey

"The LUNA-II is great product and saves a ton of time in the lab. I previously used a hemocytometer for all of my counting needs, however with multiple stem cell lines to work with this proved to be quite time consuming. The cell counter not only saves time, but gives accurate and yield consistent counts between cell lines. Great product!"

Gelina Sani
Children's National Medical Center

"The LUNA- FL is one of my favorite machines in our lab. It lets me acquire cell counts so quickly so I can go on with my bench work. Not only are we able to count but we can look at other statistics like viability and average cell size with just the push of a button. The best part about this counter is the accuracy. I am able to reliably count every cell line that I put in, and am able to do it again the next day. I'm so glad we have this system in our lab!"

Regina Wulff
Weill Cornell Medicine

"The LUNA- FL consistently produces fast and reliable results. The counts and viabilities provided by this instrument are consistent with values provided by flow cytometry. This product is remarkably easy to operate, care for, and maintain. In comparison to similar products on the market, the LUNA-FL is exceptional for the low cost."

Violetta Medik
Evelo Biosciences

"The QUANTOM Tx is very easy to use. The sample prep is quick and the replicates are pretty tight. I used it for counting very small cells, as well as bacteria that grow in chains or clusters and the software does a great job analyzing the image. I compared the results to other methods and the results are spot on. Overall, I am very happy with the purchase ."

Anh Ngo
ModernaTX

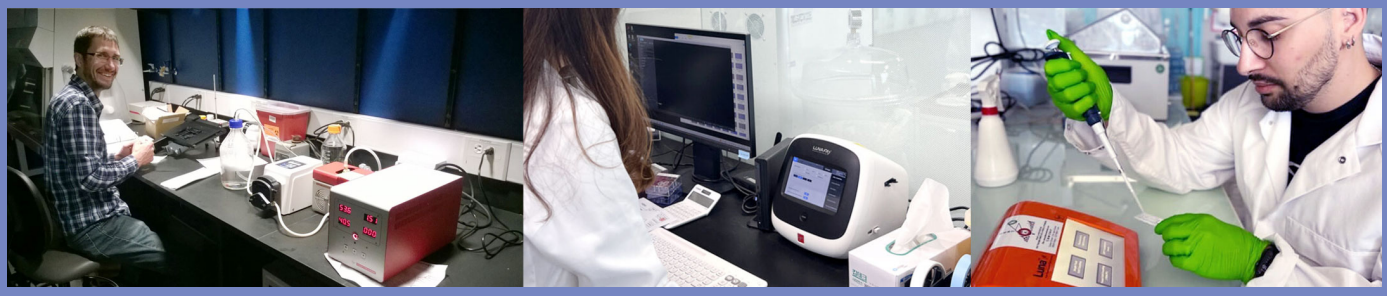
"Awesome little machine. The LUNA-FX7 Cell Counter is a standout in cell analysis, offering exceptional precision and efficiency. Its user-friendly interface and rapid, accurate results streamline lab workflows. Compact and reliable, it's a must-have for any lab seeking innovative cell counting technology."

Jon Ramsey
University of Vermont – Vermont Cancer Center

"Automated fluorescence workflow takes the guesswork out of primary cell isolations! This instrument has really taken the guesswork out of counting cells in dissociated tissue preparations. Implementing the acridine orange/propidium iodide fluorescent cell counting kit with our dissociation protocols greatly simplifies the accurate counting of live and dead cells where manual/brightfield techniques relied too heavily on user judgment. The instrument is easy to use, provides reproducible results, is very reliable, and budget-friendly."

Charles Benton
University of Chicago

"The LUNA automatic cell counter has revolutionized my cell counting workflow. Gone are the days of tedious hemocytometer counts! The LUNA automatic cell counter has revolutionized my cell counting workflow. This little benchtop wonder delivers fast, accurate, and reproducible results, saving me precious time and minimizing counting errors. Using the LUNA is incredibly user-friendly. The intuitive software and clear display guide me through the process effortlessly. Within seconds, I have a precise cell count and viability assessment while maintaining a sterile environment with disposable slides. The multiple chamber options on some models even allow me to count various cell types and concentrations in a single run. Whether you're a seasoned researcher or a student starting out, the LUNA automatic cell counter is a fantastic investment. It simplifies cell counting, improves workflow efficiency, and lets you focus on what truly matters – your scientific discoveries! I highly recommend this product to anyone looking for a reliable, time-saving cell-counting solution."



CELL IMAGING SYSTEMS

Alessio Menga
University of Bari, Italy

"The CELENA S is fast to learn, easy to use, and has made a significant diff erence to our workflow. Being able to quickly image our samples directly in our own lab, without the need for a darkroom, is amazing! The CELENA S is highly sensitive to fluorescence signals, so has been an excellent solution to our needs. I highly recommend this product to anyone who does a lot of fluorescence cell imaging and as well as to beginners."

Jason Lee
AmtixBio

"The best thing about the CELENA S is the image quality. We can use it for quick screening or for data collection and in both cases get sharp, detailed images. The multipurpose nature of the CELENA S software makes it a great addition to our lab. Our researchers learned to get high quality images in a few minutes, which is great compared to the hours of training and practice it takes to learn on a traditional setup."

Myoung Sup Shim
Duke University Health System

"We need live cell time-lapse imaging for our studies but other imaging systems did not produce acceptable images for long-term imaging. The CELENA X is the only system that has given us satisfactory multi-fl uorescence images of multi-well plates. The automatic laser focusing is especially fantastic. We don't waste time taking individual images as the CELENA X does high-throughput imaging and focuses great for all wells over long periods of time. Image quality is great for every photo and making high-quality videos is easy. Cells remain healthy, and there is minimal fluorescence quenching even after extensive imaging (5 minute intervals for over 72 hours). I strongly recommend the CELENA X for live cell time-lapse imaging and other applications."

TISSUE CLEARING SYSTEM

Doug Richardson
Harvard Center for Biological Imaging

"We purchased the X-CLARITY Tissue Clearing System for our facility and have been very satisfied with its easy-to-use design and consistent results. The X-CLARITY has now allowed many more researchers to enter the field of tissue clearing. In my opinion, the X-CLARITY Tissue Clearing System along with the X-CLARITY Polymerization System will help expand the availability of this technique to all scientists who hope to add it to their laboratory's repertoire."

Victoria Neckles
Clemson University

"Great results, easy to use! This product was effective at clearing my tissue samples. It cleared whole brains, hearts, stomach, kidneys, livers, etc. The user manual was easy to read and easy to follow. There is little attention and maintenance required while the system in running."

Chiara Magliaro
Center E Piaggio - University of Pisa

"The X-CLARITY is a very easy-to-use and versatile. I started using it for murine brains, and it was quite easy to customize the protocols also for different biological samples (e.g., 3D advanced neural constructs). It allows me to avoid both waste of time and money."

Terika Smith
University of South Carolina

"The X-CLARITY is very easy to use and is very user friendly. I've used it to clear mouse nerves and spinal cords in approximately 4-6 hours. We've been getting great results with this system and I would highly recommend it to anyone interested in tissue clearing."

**Some reviews have been edited for length and clarity*

ADVANCED IMAGING SOLUTIONS FOR RESEARCH EXCELLENCE

logos biosystems

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