

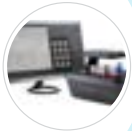
Next Generation Live Cell Imaging, ATMS Dynamic Culture, Automated Homogenising & RT Cell Monitoring Technology

CURIOSIS

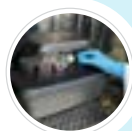
EXPAND CELL IMAGING PRODUCTIVITY WITH THE ADVANCED CELLOGER® MINI PLUS AUTOMATED LIVE CELL IMAGING SYSTEM FROM CURIOSIS



Real-time monitoring, stable auto-focusing, with motorised camera moving on X,Y & Z axes, enabling multipoint imaging up to 96 wells. LED light source and fluorescence, green, red & bright-field multi-position imaging modes



Compact, fits into a standard CO₂ incubator



Multiple culture vessels; petri dishes, well plates, flasks & slide compatibility



Celloger® Mini Plus App enables video creation from brightfield & fluorescence time-lapse images, customised to user intervals, cycles & scheduled time



Intuitive user interface; analysis tools such as confluency mark, growth curve & ruler included



APPLICATIONS

- Cell migration, morphology, confluency, proliferation
- Wound healing and cytotoxicity assays
- Drug screening
- Cell growth monitoring for bioprocessing QC
- Transfection efficiency assessment
- Coculture and multipoint cell monitoring

**INTRODUCTORY
OFFER**

20% OFF CURIOSIS
Celloger® Mini Plus

- ✓ Fluorescence green excitation (470/40x) / emission (510lp)
- ✓ Fluorescence red excitation (510/84x) / emission (570lp)
- ✓ Objective - 4X, 10X
- ✓ Camera - 5MP CMOS
- ✓ Dimensions 226 x 358 x 215mm

CapellaScience

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TAIHOYA

IDENTIFY NEW MECHANISMS AND RESPONSES USING ATMS DYNAMIC CULTURE SYSTEM BEFORE JUMPING INTO ANIMAL TESTING!

ATMS Dynamic Culture System is a Mechanical Stimulation Microelements System (MSMS). This system bridges the in-vivo, in-vitro gap by mimicking the in-vivo microenvironment at the cellular level, applying mechanical stimulation, stretching or compression in disease modelling, stem cell and drug screening research applications.

APPLICATIONS

Skin, Bone, Brain, Heart,
Kidney, Hydrogels, Microfluidics,
Tissue Engineering,
Mechanotransduction
Regenerative Medicine
Induced pluripotent stem
(iPS) cell research

INTRODUCTORY OFFER!

20% OFF TAIHOYA ATMS Dynamic Culture System

Custom coatings to desired extracellular matrix available upon request



'3D organ' creation through coating the PDMS with extracellular matrix or by bioprinting the desired scaffold, compressed or stretched at specific speed, mimicking an in-vivo environment



Workflow combines with microscope, CO2 incubator & hypoxia workstation



All in one: stretch, compress, small, large PDMS, biomaterials, tissues, 2D or 3D biopsies at different speed and electrical stimulation



Affordable can be used for material QC, uniquely positioned with multiple applications



BENEFITS:

- ✓ Precise results; in-vivo mimicry without animal testing
- ✓ Innovative; dynamic stimulation mimics physiological and pathological pathways
- ✓ Save money; easy to use, evaluate research in-vitro before in-vivo
- ✓ Save time; weeks in-vivo animal testing vs. hours with ex-vivo dynamic culture
- ✓ Extends research; e.g mechanosensing in cancer research at different speed and electrical stimulation

REDEFINE MANUAL HOMOGENISATION WITH THE OMNI PREP96 AUTOMATED HOMOGENISER WORKSTATION



The OMNI Prep 96 Automated Homogeniser Workstation enables true walk away sample processing maximising turnaround times, result accuracy & reproducibility, contributing to improved downstream chain of custody.

REGISTER YOUR INTEREST

for the Exclusive 2023 OMNI Prep 96 Automated Homogeniser Offer

E: enquiries@cspeitascience.com.au



APPLICATIONS

- Forensic toxicology
- Pharmaceutical, drug development
- Food & Environmental testing
- Agri-genomics

BENEFITS:

- ✓ Automating sample preparation accelerates throughput and efficiency
- ✓ Improve analyte recovery, data integrity, and analyst error reduction
- ✓ Reduced cost per sample and optimise liquid handling consumable use
- ✓ Sample data integrity in regulated environments



Mimics manual homogenisation; accelerates turnaround times, speed of results and protocol standardisation



Lower consumable spend and innovate through smoother transfer to the next downstream application



Small footprint: up to 96 samples batch processed simultaneously, using vertical & horizontal intra-tube movement at variable speeds



Process samples in 5ml, 14ml, 15ml, 30ml and 50 ml tubes. Volumes between 250 μ L & 40mL and variable speeds between 500rpm & 28,000rpm



Eliminate potential for cross contamination using 7 mm and 12 mm OMNI Tips™ Plastic Disposable Probes

CURIOSIS

CELLS HARVESTING IN REAL-TIME WITHOUT OPENING YOUR INCUBATOR DOOR WITH THE NEW CELLOGER® STACK AUTOMATED MULTI-LAYER CELL MONITORING SYSTEM



APPLICATIONS

Research
Recombinant proteins
& viral vectors
Vaccines
Industrial



- ✓ Operating environment - 10–40°C, 20–95% humidity
- ✓ Objective Lens - 2X
- ✓ Camera - 5MP CMOS
- ✓ Resolution - 2592 x 1944 pixel
- ✓ Dimensions - 350 x 330 x 450 mm



Motorized XYZ stage enables RT live cell monitoring/observation of multilayer vessels up to 10 layers, inside CO2 incubator



Autofocusing, manual focusing, multi-position time-lapse bright-field imaging, recording & movie maker



Cell quality QC, confluency rate detection while culturing & growth curve



Supports cell cultivation process reproducibility in scale-up environments



Reduce manual handling, operational costs & contamination risk

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