



CURIOSIS

Cell Imaging, Cell Counting, Cell Isolation, Digital Pathology & Colony Picking Solutions



MSP™-320

Automated Digital Slide Scanner revolutionises digital pathology with rapid, high resolution scanning of up to 960 slides per day, enabling remote case review & eliminating physical slide handling & storage



Microscope Slides



Brightfield



High Resolution



Digital

MSP™-320 KEY FEATURES



High resolution
images with
0.19µm/pixel



Scan & digitise
320 slides in 1
click



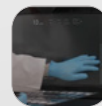
Advanced stitching
algorithm produces
whole image



Enhance data
accessibility &
reduce diagnostic
turnaround time



High throughput
up to 72 slides/hr,
960/day



23 inch touchscreen
previews all 16
slides/tray at once
with digital zoom



Unlock the future of digital pathology. Schedule a call to see how
MSP™ 320 can improve your anatomical pathology workflow



Automated live cell imaging systems that enable real-time observation & analysis within incubators



- CELLOGER® PRO**
Delivers exceptional image quality while enabling real-time, multi-point fluorescence & brightfield monitoring within an incubator
- CELLOGER® MINI PLUS**
Fluorescence & brightfield microscopy offers user friendly analysis & streamlined high quality data acquisition
- CELLOGER® M26**
High-throughput & synchronised illumination. Three lenses, dual imaging modes, multiple plate formats & simultaneous imaging of up to six plates
- CELLOGER® NANO**
Compact & economical with wireless connectivity, advanced imaging & vessel compatible manual staging for fast, remote observation & analysis
- CELLOGER® STACK**
Automated multi-layer vessel monitoring for large scale cell cultures with an alarm that notifies users at optimal confluency level

CELLOGER® SERIES KEY FEATURES

Real-time cell monitoring inside an incubator

Time-lapse imaging capability

Compatible with different vessel types

User friendly functions included in software package

MORE FEATURES

User interchangeable objective lens
Pro **M26**

Cell confluency
Pro **Mini Plus** **M26**
Stack **Nano**

High-res images. X, Y, Z camera moving
Pro **Mini Plus** **M26** **Stack**

Dual colour fluorescence (green & red)
Pro **M26**

High throughput multi-plate imaging
M26

Z-Stacking
Pro **Mini Plus** **M26** **Nano**

Image stitching
Pro **Mini Plus** **M26**

Green or red colour fluorescence
Mini Plus **Nano**

Wireless connection
Nano

Bring your cells to life. Schedule a demo to see how real-time, high resolution imaging can accelerate your cell based research

APPLICATIONS

Cell proliferation (NIH3T3 taken from Celloger® Nano 10X)

Apoptosis (HeLa taken from Celloger® Pro 4X)

Spheroid cytotoxicity (HEK293-GFP taken from Celloger® Pro 2X)

Sublocalisation HeLa-td Tomato (taken from Celloger® Pro 10X)

Co-culture monitoring (NIH3T3 & MCF-7 taken from Celloger® Nano 4X)

Wound healing assay (L929 taken from Celloger® Mini Plus 4X)

Phagocytosis monitoring (Raw 264.7 taken from Celloger® Mini Plus 10X)

NK cell killing assay (K562 & NK92 taken from Celloger® Pro 4X)

Adipogenesis (HeLa taken from Celloger® Pro 10X)

Zebrafish observation (taken from Celloger® Mini Plus 4X using Z-stacking & stitching functions)

Neurite outgrowth (SH-SY5Y taken from Celloger® Mini Plus 4X)

Mitochondrial membrane potential (HeLa taken from Celloger® Pro 2X)

AWARDS



SPECIFICATIONS

SPECIFICATIONS

						
		Celloger® Pro	Celloger® Mini Plus	Celloger® M26	Celloger® Nano	Celloger® Stack
	Dimension (H x W x L) mm	250 x 338 x 412	215 x 226 x 358	290 x 436 x 456	188 x 146 x 211	350 x 330 x 450
	Weight	9.6kg	5.6kg	12kg	3.2kg	15kg
	Imaging modes	Brightfield, Green & Red Fluorescence	Brightfield, Green or Red Fluorescence	Brightfield, Green & Red Fluorescence	Brightfield, Green or Red Fluorescence	Brightfield
	Magnification	2X / 4X / 10X (User interchangeable)	2X / 4X / 10X	4X / 10X / 20X (User interchangeable)	2X / 4X / 10X	2X
Fluorescence	Green	Ex: 470/40 Em: 540/50	Ex: 470/40 Em: 510lp	Green Ex: 470/40 Em: 540/50	Ex: 470/40 Em: 510lp	
	Red	Ex: 562/40 Em: 641/75	Ex: 525/30 Em: 570lp	Red Ex: 562/40 Em: 641/75	Ex: 525/30 Em: 570lp	
Field of view (mm)	2X	2.0 x 1.5	2.0 x 1.5	2.5 x 1.9		
	4X	1.4 x 1.0	1.4 x 1.0	2.0 x 1.5	1.2 x 0.9	
	10X	0.7 x 0.5	0.7 x 0.5	0.8 x 0.6	0.6 x 0.4	
	20X			0.5 x 0.4		
	Imaging positions	Multiple	Multiple	Multiple	Single	Multiple
	Focusing	Auto & manual				
	Culture vessels	Slide, Dish, Flask, Well plate up to 96-wells	Slide, Dish, Flask, Well plate up to 96-wells	Slide, Dish, Flask, Well plate up to 96-wells	Slide, Dish, Flask, Well plate up to 96-wells	Multi-layer chamber up to 10 layers
	Operating environment	10-40°C temperature, 20-95% humidity				
	File export format	TIFF, AVI, CSV (JPEG, PNG)		TIFF, AVI (JPEG, PNG)	TIFF, AVI, CSV (JPEG, PNG)	
	O/S required	Windows 10 & above				
Software functionalities	Real-time recording	●	●	●	●	●
	Time-lapse video	●	●	●	●	●
	Cell confluency	●	●	●	●	●
	Z-stacking/projection	●	●	●	●	
	Stitching	●	●	●		
	Spheroid/organoid analysis	●	●	●		
	Deconvolution	●	●	●		
	Dual screen analysis	●		●		
	Cell counting (FL)	●		●		

CURIOSIS Next Generation Cell Counting, Cell Isolation & Colony Picking Technology

CELL COUNTING

FACSCOPE® B AUTOMATIC CELL COUNTER

An accurate, rapid automatic cell counter designed to streamline cell quantification and deliver reliable data

- Advanced cell detection technology clearly identifies irregular & aggregated cells
- Autofocusing function automatically scans multiple focal points & selects the optimal one for clear imaging
- Disposable counting slides. Precise counting results. Customisable counting modes



FACSCOPE® DISPOSABLE SLIDE FOR FACSCOPE® B AUTOMATIC CELL COUNTER

- Disposable slide format. Exact volume control. Precise 100µm chamber depth
- Cost effective four-channel design. Reduce hazardous sample risk exposure to users



QURIC™ SCC

Automatic somatic cell counter using fluorescence microscopy to detect somatic cells in milk

- Obtain quick, accurate & reliable cell counts with an advanced image analysis algorithm in just a few seconds

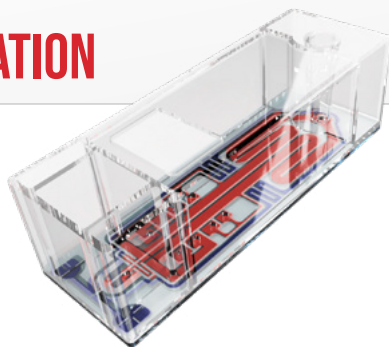
C-SLIDE® MAUAL DISPOSABLE HAEMOCYTOMETER

A precise disposable plastic haemocytometer

- Exact volume control by precise chamber depth of 100µm
- Consists of four enclosed channels allowing 4 tests at once



CELL ISOLATION



CELLPURI® DISPOSABLE CELL CONCENTRATION CHIP

Enriches cells without centrifugation, using rheological flow in microchannels to filter waste & collect enriched cells at the outlet

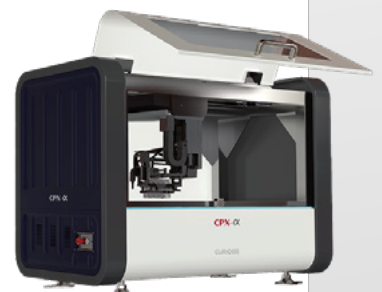
- Enrich cells by over 20X in just 2 minutes centrifuge free, inside a clean bench using the syringe pump
- 95% recovery when cell washing, minimal cell damage, microfluidic filterless filter (FLF) technology

COLONY PICKING

CPX™-α AUTOMATED COLONY PICKING SYSTEM

Supports various plate formats with motorised pin actuation & cross-laser calibration. Achieves 99% picking accuracy even for 200 micrometer colonies. Maximise efficiency in high throughput microbiology & biotechnology workflows

- High resolution imaging for small colony detection, precision motorised pin actuation, cross-laser pin calibration for 99% accuracy, versatile plate compatibility, and seamless integration into fully automated laboratory workflows



02 9575 7512
sales@capellascience.com.au
capellascience.com.au

COUNT SMARTER.
ISOLATE FASTER.
COLONY PICK BETTER.
Contact Capella Science
for a quote today

