

cellTRAY[®] Mini Microscope

Customer Benefits:

Easy to use

Portable

Small footprint

Capture images

Supports:

- Well plates
- Dishes
- Flasks
- Slides

Compatible with:

- cellTRAY[®] Microfluidics System for Drug Discovery
- cellTRAY[®] Microfluidics System for Assisted Reproduction (ART)
- cellTRAY[®] Microfluidics System for Stem Cell Research



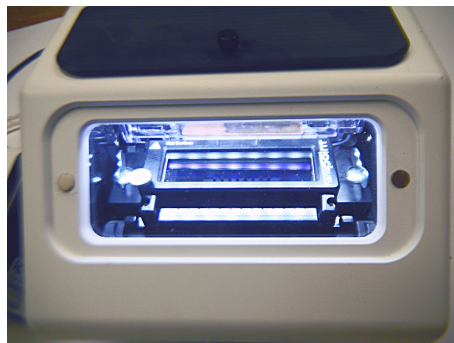
The manual stage can be moved in the XY direction while maintaining the focal plane and fine tuning of the focus can easily be achieved.

The cellTRAY mini microscope is a compact inverted imaging platform for routine monitoring of live cells.

Cells can be viewed and imaged in well plates*, standard Petri dishes, flasks, slides or cellTRAYs. The optical magnification of the mini microscope is 1.8X but can be digitally zoomed to 10X.



The cover contains a clear acrylic window that allows for observation and can be closed with a dark cover to keep the cells in the dark. The cover also provides a secondary environmental isolation barrier to keep the air in an air conditioned lab from directly cooling the base assembly.



The mini microscope includes an LED light, CCD camera and Lenovo netbook computer that comes pre-loaded with custom software for taking images.

2010 Introductory Special

Order a cellTRAY[®] Mini Microscope By March 31 and Receive 10% Off Your Purchase

CODE: 2010INT

When used in conjunction with the cellTRAY[®] Microfluidics System, the mini microscope provides a dedicated imaging platform for routine monitoring of cell development. The onstage incubation system fits under the cover enabling multi-day experiments. The mini microscope maintains focus for all wells on the cellTRAY and the software-driven CCD camera allows images to be taken at the various stages of cell development.

nanopoint

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Nanopoint is a privately-held life sciences instrumentation and microfluidics platform company that is advancing biomedical research with its extended time-lapse live cell imaging solutions. Nanopoint's award-winning, patented cellTRAY®, patent-pending automated microfluidics delivery system, on-stage incubation system and proprietary imaging software provides solutions to a broad spectrum of applications including drug discovery, assisted reproductive technologies, lab-on-a-chip, stem cell research, and bio-detection.

The cellTRAY® Imaging System has won major awards for innovation and design excellence:

- 1) 2009 Frost and Sullivan North American Cell Imaging Solutions Product Innovation of the Year Award,
- 2) 2009 ID Magazine Annual Design Review Best of Category – Equipment, and
- 3) 2009 International Design Excellence Award Gold Medal Winner in Medical & Scientific Products.

For more information on any of our products please visit us on the Web at:
www.nanopointimaging.com

Product Specifications

USB Mini-Microscope:

System Magnification	1.8x optical (0.104 NA), up to 10x digital zoom
Field of View	2.7 x 3.6 (mm)
Size (W x D x H)	29.2 x 15.2 x 14 (cm) / 11.5 x 6 x 5.5 (in)
Weight	2.27 (kg) / 5 (lbs)
Stage Adaptor	Standard well-plate footprint
x-axis travel length	50.8 (mm)/ 2.0 (in)
y-axis travel length	Fixed
z-axis travel length	500 (µm)
Lighting source	Cool white LED or warm white LED
Sensor Type	½" CCD
Effective Pixels	1392 x 1040, 1.4 megapixels
Frame Rate	15 fps at 1392 x 1040
Dynamic Range	67 dB
Digital Output	8 and 12 bit
Pixel Size	4.65 x 4.65 (µm)
Full Well Capacity	>18,000 electrons
Read Noise	12 e- rms
Interface	USB 2.0
Image Formats	TIFF, JPG, BMP
Time Lapse	User definable

Storm Carrying Case:

Size (L x W x H)	411 x 323 x 168 (mm) / 16.2 x 12.7 x 6.6 (in)
Weight	2.2 (kg) / 4.9 (lbs)

Computer:

Model	Lenovo Ideapad S10-2
Operating System	Microsoft Windows XP Home Service Pack 3
Memory	1 GB RAM
Hard Drive	160 GB
USB 2.0 Ports	3 (1 used by cellTRAY mini microscope)
AC/DC Power Adapter	100-240V @ 50-60Hz
Software	Microsoft .Net 3.5 Service Pack 1 cellTRAY® Manager Software

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