

**VWR**<sup>TM</sup>  
part of avantor

order on  
[VWR.COM](http://VWR.COM)



# Imaging solutions to answer your biological questions

Stunning images, fast throughput, powerful analysis

# Faster discoveries – More relevant data – Less time to image



## SpectraMax® i3x Multi-Mode Microplate Reader

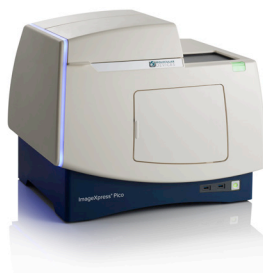
Unlimited breadth of user-upgradeable application modules expands research capabilities

### Features

- SoftMax® Pro Software for capture and analysis of plate reader and imaging data
- Customer upgradeable to include reagent injection and western blot detection capabilities
- The cooled PMT reduces background noise allowing for a more sensitive, wide dynamic range in extremely low light
- Powerful combination of Xenon flash lamp and LEDs provides unmatched signal strength and superior sensitivity with Spectral Fusion Illumination
- SpectraMax® MiniMax 300 Imaging Cytometer enables cell visualization and cell-based analysis

### Key specifications

- 4X microscope objective
- 2 color fluorescence + Brightfield



## ImageXpress Pico Automated Cell Imaging System

Compact systems that allows users to go from samples to results in minutes

### Features

- Compact system that can be easily installed on lab benches
- CellReporterXpress is an approachable, icon-driven user interface with a range of predefined protocols that allow users to set up image acquisition and analysis with minimal training
- 20+ preconfigured analysis protocols
- Access data from a browser—anytime, anywhere

### Key specifications

- 4X – 63X objective imaging
- White light/brightfield, colorimetric, and fluorescence imaging
- Standard temperature control



## ImageXpress Nano Automated Imaging System

Fluorescence imaging widefield platform designed for automated microscopy for common biological assays

### Features

- MetaXpress High-Content Image Acquisition and Analysis Software includes tools for 2D and 3D imaging and time lapse analysis
- High-content imaging workhorse that can be configured to fit your assay needs

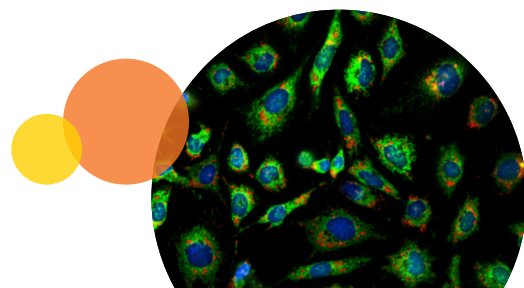
### Key specifications

- 2X–60X microscope objectives available
- UV-VIS fluorescence
- Optional CO<sub>2</sub>, humidity, temperature control
- Optional Brightfield imaging

## See how Mimetas, the organ-on-a-chip company, uses the ImageXpress Micro Confocal system

Mimetas uses their OrganoPlate® to develop disease, toxicology, and transport models for research, development and drug screening. For development and application of tissue models, they use a range of image-based readouts, such as phase-contrast time lapse, fluorescence microscopy, confocal microscopy, in combination with automated 3D image analysis. The team uses the **ImageXpress Micro Confocal High-Content Imaging System** on a daily basis, serving as their standard high-throughput imager for most in-chip assays.

See this story and more at [www.moleculardevices.com/customer-breakthroughs](http://www.moleculardevices.com/customer-breakthroughs).





## ImageXpress Micro 4 Widefield High-Content Imaging System

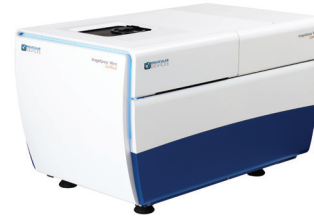
Configurable, high-throughput widefield imaging solution features proprietary fast frame rate technology, allowing for the capture of fast biological processes.

### Features

- MetaXpress Software enables 3D measurements of volume and distance transforming your imaging into meaningful results
- High-content imaging workhorse that can be configured to fit your assay needs

### Key specifications

- 1X–100X air or oil microscope objectives
- Multi-threaded parallel processing for faster analysis speeds
- Optional on-board liquid handling
- Optional environmental control for CO<sub>2</sub>, humidity and temperature control
- Brightfield and phase imaging options
- Optically-encoded voice coil driven stages with encoders that measure position with better than 25 nm resolution
- Solid state light engine with expected lifetime of >20,000 hours



## ImageXpress Micro Confocal High-Content Imaging System

Expand the boundaries of research with our high-content solution that combines speed, sensitivity and flexibility. This systems can switch between confocal and widefield imaging of fixed and live cells.

### Features

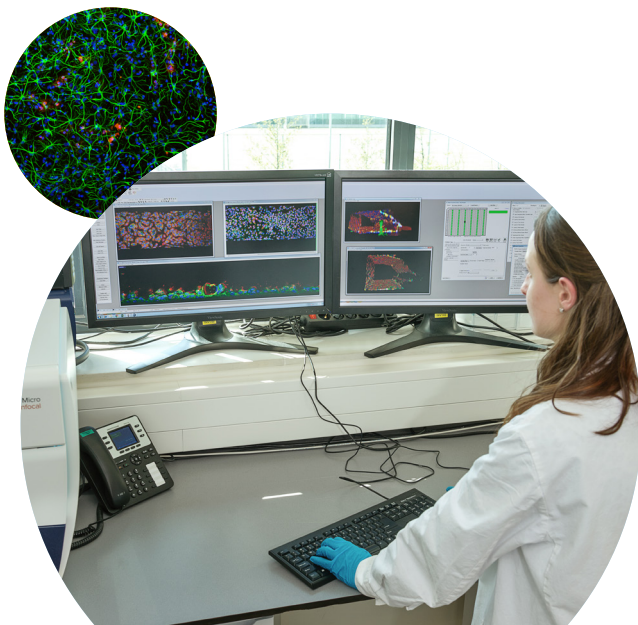
- MetaXpress Software enables 3D measurements of volume and distance transforming your imaging into meaningful results
- High-content imaging workhorse that can be configured to fit your assay needs

### Key specifications

- 1X–100X objective imaging
- Multiple disc geometries for AgileOptix Spinning Disc Technology provides the ability to trade resolution and speed with a selection of disc geometries
- Multi-threaded parallel processing for faster analysis speeds
- Optional on-board liquid handling
- Optional environmental control for CO<sub>2</sub>, humidity and temperature control
- Brightfield and phase imaging options
- Optically-encoded voice coil driven stages with encoders that measure position with better than 25 nm resolution
- Solid state light engine with expected lifetime of >20,000 hours

### Explore modifications with AWES

The Molecular Devices Advanced Workflow Engineering Solution (AWES) team has successfully tailored the ImageXpress Micro system for some customers to include a variety of light engines to address ultra violet (UV) to near infrared (NIR) applications, environmental control with gas mixers for CO<sub>2</sub> and Hypoxia, fluidics with simultaneous imaging and dispensing, as well as integration of other lab components such as incubators, liquid handlers, and robotics for a fully automated work cell. The AWES team is available to explore these modifications with you. Price, time to deliver, and specifications will vary based on mutually agreed technical requirements. Solution requirements may cause adjustment to standard performance. Purchase Terms available at [www.moleculardevices.com/custom-products-purchase-terms](http://www.moleculardevices.com/custom-products-purchase-terms).





System Specifications	SpectraMax i3x Multi-Mode Microplate Reader with MiniMax imaging cytometer	ImageXpress Pico Automated Cell Imaging System <sup>#</sup>	ImageXpress Nano Automated Imaging System	ImageXpress Micro 4 High-Content Imaging System	ImageXpress Micro Confocal High-Content Imaging System
Tablet and touchscreen friendly		•			
Measures cell confluency	•	•	•	•	•
Microplate types	6- to 1536-wells for plate reader, 96- and 384-wells for imaging	Up to 384 wells	Up to 384 wells	Up to 1536 wells	Up to 1536 wells
Microscope slides	•	•	•	•	•
Label-free imaging	•	•	•	•	•
Number of fluorescent channels	2	4	5	5	5
Objective range	4X	4–63X	2–60X	1–100X	1–100X
Timelapse imaging		•	•	•	•
Z-stacking			•	•	•
Optional environmental control for CO <sub>2</sub> , humidity and temperature control		Standard temperature control	•	•	•
Optional automated 3D analysis with volumetric output			•	•	•
Optional on-board liquid handling				•	•
AgileOptix Spinning Disc Technology				Upgradeable	•
Optional dual injectors	•				

<sup>#</sup>Features available with CellReporterXpress software

**For more information please contact your VWR representative.**

Go to [www.vwr.com](http://www.vwr.com) for the latest news, special offers and details of your local VWR organisation.

<p><b>Austria</b> VWR International GmbH Graumanngasse 7 1150 Vienna Tel.: +43 1 97 002 0 Email: <a href="mailto:info.at@vwr.com">info.at@vwr.com</a></p>	<p><b>Belgium</b> VWR International bvba Researchpark Haasrode 2020 Geldenaaksebaan 464 3001 Leuven Tel.: +32 (0) 16 385 011 Email: <a href="mailto:vwr.be@vwr.com">vwr.be@vwr.com</a></p>	<p><b>Denmark</b> VWR International A/S Tobaksvejen 21 2860 Søborg Tel.: +45 43 86 87 88 Email: <a href="mailto:info.dk@vwr.com">info.dk@vwr.com</a></p>	<p><b>France</b> VWR International S.A.S. Le Périgares – Bâtiment B 201, rue Carnot 94126 Fontenay-sous-Bois cedex Tel.: 0 825 02 30 30* (national) Tel.: +33 (0) 1 45 14 85 00 (international) Email: <a href="mailto:info.fr@vwr.com">info.fr@vwr.com</a> * 0,18 € TTC/min</p>	<p><b>Germany</b> VWR International GmbH Hilpertstraße 20a D - 64295 Darmstadt Tel.: 0800 702 00 07* (national) Tel.: +49 (0) 6151 3972 0 (international) Email: <a href="mailto:info.de@vwr.com">info.de@vwr.com</a> *Freecall</p>
<p><b>Ireland / Northern Ireland</b> VWR International Ltd / VWR International (Northern Ireland) Ltd Orion Business Campus Northwest Business Park Ballycoolin Dublin 15 Tel.: +353 (0) 1 88 22 222 Email: <a href="mailto:sales.ie@vwr.com">sales.ie@vwr.com</a></p>	<p><b>The Netherlands</b> VWR International B.V. Postbus 8198 1005 AD Amsterdam Tel.: +31 (0) 20 4808 400 Email: <a href="mailto:info.nl@vwr.com">info.nl@vwr.com</a></p>	<p><b>Sweden</b> VWR International AB Fagerstagatan 18a 163 94 Stockholm Tel.: +46 (0) 8 621 34 00 Email: <a href="mailto:kundservice.se@vwr.com">kundservice.se@vwr.com</a></p>	<p><b>Switzerland</b> VWR International GmbH Lerzenstrasse 16/18 8953 Dietikon Tel.: +41 (0) 44 745 13 13 Email: <a href="mailto:info.ch@vwr.com">info.ch@vwr.com</a></p>	<p><b>UK</b> VWR International Ltd Customer Service Centre Hunter Boulevard - Magna Park Lutterworth Leicestershire LE17 4XN Tel.: +44 (0) 800 22 33 44 Email: <a href="mailto:uksales@vwr.com">uksales@vwr.com</a></p>

©2018 Molecular Devices, LLC. The trademarks used herein are the property of Molecular Devices, LLC or their respective owners. Specifications subject to change without notice. Patents: [www.moleculardevices.com/productpatents](http://www.moleculardevices.com/productpatents)  
FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.  
10/18 2130E-EU/VWR

