

**IMMERSION CIRCULATOR**

Exceptionally easy to use and maintain, the MX Immersion Circulator combines a patent-pending design with highly intuitive operation to deliver convenient and versatile temperature control for a wide variety of laboratory applications. It features a temperature range of ambient +10°C to 135°C, temperature stability of  $\pm 0.07^\circ\text{C}$ , and is suitable for use in baths as large as 28 L. The PolyScience MX Immersion Circulator has an extra-large backlit readout that displays both temperature and set point, one-speed simplex pump with flow adjuster, and heavy-duty mounting clamp that attaches securely to both flat and rounded tank walls. Exceptionally streamlined, the MX occupies a minimum of reservoir space to provide more room for samples and glassware. Plus for added safety and ease of maintenance, the unit features a fully integrated housing that prevents direct contact with the pump and heater, yet provides quick access for inspection and cleaning.

**Polyscience**

For info: 800-229-7569 | [www.polyscience.com](http://www.polyscience.com)

**MECHANICAL ANALYZER**

The Excellence Dynamic Mechanical Analyzer DMA 1 is a highly flexible analyzer which offers six different deformation modes to more accurately gauge materials performance. As one piece of equipment, DMA 1 is able to handle multiple dynamic and static measurements to characterize viscoelasticity, glass transition, softening, crystallization, phase transformation, and more. Ease-of-use has been considered in every aspect of the DMA 1 to ensure it delivers on its promise of flexibility. Researchers can set the sample arm and analysis head at multiple angles based on sample nature and geometry. Simple adjustment of the sample arm—without having to calibrate in between configurations—means samples of many shapes and sizes can be processed in quick succession. Rapid cooling to as low as  $-190^\circ\text{C}$  with minimal liquid nitrogen consumption also helps improve sample throughput, reduce costs, and improve operator safety. A high-end temperature range of  $600^\circ\text{C}$  further increases the DMA 1 application range.

**Mettler Toledo**

For info: 800-638-8537 | [www.mt.com](http://www.mt.com)

**MICROSCOPY CAMERA**

The DP80 is a unique microscopy camera designed for both color documentation and fluorescent detection. Combining a color and monochrome chip within the same housing, the DP80 provides high-resolution brightfield imaging alongside sensitive photon detection. With versatile functionality, the control software permits rapid and automatic exchange between the chips, without switching camera or optical path. Furthermore, the DP80 has the capacity to overlay images from the two sensors with an accurate pixel-to-pixel correspondence, presenting significant opportunities for joint color and fluorescent imaging. With a maximum resolution of 12.5 megapixels, the color sensor produces images rich in detail and clarity. The 1.4 megapixel monochrome sensor is optimized for highly sensitive photon detection, catching emission from a wide range of dyes, from DAPI to Cy-7. Exposure times of up to 60 seconds allow the imaging of very faint signals typical of delicate and live samples.

**Olympus**

For info: +49-40-23773-5913 | [www.microscopy.olympus.eu](http://www.microscopy.olympus.eu)

**MODULAR IMAGING SYSTEM**

The IN Cell Analyzer 2200 is a high-speed, flexible, modular imaging system suitable for both investigative microscopy and automated high-content screening of organelles, cells, tissues, and whole organisms. The IN Cell Analyzer 2200 can image a two-colored 96-well plate assay in less than 2.5 minutes and a one-color 1536 plate in under 20 minutes. This speed is possible due to a bright, seven-wavelength solid-state light source and scientific-grade CMOS camera coupled with an optimized stage and efficient, easy-to-use control software. Smart design features such as preview scan also save time in assay setup by enabling the user to locate wells, samples, or regions of interest quickly and efficiently. The flexibility of the IN Cell Analyzer 2200 enables the system to be used in multiple modes including whole-well imaging, online cell counting, and manual microscope, which allows researchers to optimize assay setup efficiently and conduct both simple and complex high throughput, high-content assays.

**GE Healthcare Life Sciences**

For info: 800-526-3593 | [www.gelifesciences.com/INCell](http://www.gelifesciences.com/INCell)

**HIGH CONTENT MICROSCOPE SYSTEM**

The new High Content Microscope System features speed and flexibility for imaging and managing biological assays utilizing a system based on the classic Nikon Ti inverted microscope and NIS Elements Software. This new High-Content Microscope System pairs the Ti inverted microscope with NIS Elements HC Software to provide a dedicated interface for high content acquisition and analysis routines, built on an integrated database for seamless data management and processing. This system incorporates all of the functionality of the Ti+ Perfect Focus microscope with interchangeable options for high-speed piezo-based autofocusing, plate handling, solid-state light source, and fast wavelength switching as well as the full range of NIS-Elements camera model support. In addition, magnification and fluorescence filters are exchangeable, extending the imaging possibilities and experimental assay design options.

**Nikon Instruments**

For info: 800-526-4566 | [www.nikoninstruments.com](http://www.nikoninstruments.com)

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# Science

## New Products

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