

FOR IMMEDIATE RELEASE

DMetrix's "80 microscopes in one instrument" is now the world's first twelve-color, ultra-rapid glass-slide scanning system

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From: DMetrix, Inc., (520) 722 9510

[DMetrix](#), Inc., a digital-microscopy leader based in Tucson, Arizona, has extended its line of innovative microscope products with the introduction of the world's first ultra-rapid, multi-color, automated glass-slide imaging system. The new system, called the MX-96, captures high-resolution images of the same glass slide at up to a dozen different colors revealing subtle information not readily discernible with the standard combination of red, green, and blue.

Michael R. Descour, PhD, President of DMetrix, notes that the multispectral array microscope is a major breakthrough in light-microscope design: "First, the array microscope form is an unprecedented departure from the form of light microscope as it has been known since its invention over 400 years ago. Second, the ability to rapidly and easily capture numerous, separate color measurements on tissue sections opens up the realm of stain multiplexing and multiparameter assays." The instrument was designed to increase the efficiency of mapping multiple abnormalities in complex signaling pathways in tissue sections of cancers. "Such analyses will expedite drug discovery and the development of targeted cancer therapies. There are many other potential clinical and research applications," according to Descour.

The MX-96 Array Microscope is the world's first 96-bit digital-imaging device that combines 80 miniature microscope objectives in a single instrument. A principal distinguishing feature of the MX-96 Array Microscope is its speed. For instance, thanks to its array of miniature optics, the MX-96 captures a 900 Megapixel, 10-color image of a histopathology tissue section in less than 180 seconds. Despite that unprecedented power, all the microscope optics fit into a volume equivalent to a stack of four U.S. quarter-dollar coins.

DMetrix is a privately held company. DMetrix's first product to market was the all-purpose laboratory-grade DX-40 array microscope slide scanner featuring the user-friendly oneclick scanning® technology, slipstream® automation technology. DMetrix's second product, the MX-96 multispectral array microscope, incorporates the same proven technologies. DMetrix also offers a Software Development Kit (SDK) for manipulation and analysis of multi-color imaging results.

DMetrix's array-microscope technology has been recognized as a breakthrough innovation by *The Wall Street Journal*. DMetrix's first product, the DX-40 array-microscope system, also received Research and Development Magazine's 2005 R&D100 Award for important innovations.

DMetrix is the exclusive developer of array-microscope technology, and its products are covered by US Patents and other patents pending in the U.S. and abroad.

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