

FOR IMMEDIATE RELEASE

Arizona Company's "80 Microscopes in One Instrument" Wins Prestigious International Technology Award

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

DMetrix, Inc., a digital microscopy leader based in Tucson, Arizona, has been selected by *R&D Magazine* editors and their independent judging panel to receive the prestigious 2005 R&D 100 Award. The company's product, the DX-40 Array Microscope, was selected as one of the 100 most technologically significant products introduced to the marketplace during the past year. *R&D Magazine* and its judges have been selecting new innovative products for 42 years.

Michael R. Descour, PhD, President of DMetrix, notes that the array microscope is a major breakthrough in light-microscope design. "The array form is an unprecedented departure from the form of light microscope as it has been known since its invention over 400 years ago." Using the DX-40 array microscope, physicians and scientists can rapidly and automatically capture high-resolution digital images of microscopic samples, store those images on a computer, and serve them for viewing in remote locations over the Web. The most immediate impact of this imaging technology is expected to be in medical pathology.

"The array microscope will change the practice of pathology. Its images, called 'virtual slides,' enable pathology laboratories to go fully digital, following the lead of radiology a decade ago," says **Ronald S. Weinstein, MD**, head of the University of Arizona Department of Pathology and Medical Director of DMetrix. "The pathology image files are loaded onto a server and may be viewed over the Internet from any laboratory in the United States. This provides, for the first time, immediate on-line access to expert second opinions."

The DX-40 Array Microscope is the world's first digital-imaging device that combines 80 miniature microscope objectives in a single instrument. While imaging a microscope slide, the array of objectives glides under computer control along a constantly adjusted trajectory to rapidly capture a high-resolution image of the full slide. In addition to its high resolution, a principal distinguishing feature of the DX-40 Array Microscope is its speed. Thanks to its array of miniature optics, the DX-40 captures a 900 Megapixel image in less than 60 seconds, over ten times faster than other existing methods. Despite that unprecedented power, all the compact microscope optics fit into a volume equivalent to a stack of four U.S. quarter-dollar coins.

DMetrix is a privately held company in Tucson and a spin-out of the University of Arizona. The company's founders include technology professionals and faculty from the University of Arizona's College of Optical Sciences, the Arizona Cancer Center and the Department of Pathology. DMetrix's first product to market is the all-purpose

laboratory-grade DX-40 array microscope slide scanner featuring the user-friendly oneclick scanning® technology and slipstream® slide-handling technology.

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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