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ISSYS Awarded Patent for Micromachined Device and Method of Performing Cell Lysis

YPSILANTI, Mich.--(BUSINESS WIRE)--Oct. 12, 2005--Integrated Sensing Systems, Inc. (ISSYS) announced today that the US Patent Office has granted it a device and method patent (US 6,942,169) entitled "Micromachined Lysing Device and Method for Performing Cell Lysis."

This patent describes a new design and method of making a device to rupture the cells of small biological samples, also known as lysis. This operation is performed to extract the DNA and RNA from cells for purposes of analysis or identification. The patent employs ISSYS' patented resonant microtube technology to handle, mix, homogenize, filter and ultrasonically lyse the small, nanoliter samples. Fifty-two claims were granted in this lab-on-chip patent.

According to Dr. Douglas Sparks, ISSYS' executive vice president, "This new patent complements ISSYS' other biotechnology patents and products which include drug infusion devices, microneedles, microsurgical blades, catheter pressure sensors, implanted wireless sensors and chemical concentration sensors. It has the potential of opening up new methods of performing DNA analysis on extremely small samples."

About ISSYS: ISSYS is a leader in advanced micromachining technologies for medical devices, microfluidic and scientific analytical sensing applications. Founded in 1995 by world-renowned leaders in MEMS technology, ISSYS is one of the oldest independent MEMS companies in the United States. ISSYS operates a multi-million-dollar, state-of-the-art MEMS fabrication facility near Ann Arbor, Michigan. An ISO 9000:2001 certified organization, ISSYS is a vertically integrated company dedicated to developing and manufacturing system-level products based on MEMS technology (MEMS Inside). For more information, visit: <http://www.mems-issys.com/>.

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