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Frost & Sullivan Confers 2004 Excellence in Technology Award on JP Laboratories, Inc.

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Palo Alto, Calif. — Sept. 20, 2004 — In a recent study, titled TI Homeland Security Alert, Frost & Sullivan lauded JP Laboratories, Inc., a product research and development company based in Middlesex, NJ, for its innovative efforts in development of a unique radiation dosimeter for homeland security, specifically in the field of nuclear countermeasures.

JP Labs has been conferred with the 2004 Excellence in Technology Award for developing the Self-indicating Instant Radiation Alert Dosimeter (SIRAD). This is an affordable and portable radiation indicator for those responding to radiological attacks as well as those who deal with radiation on a daily basis.

Frost & Sullivan bestows this Award on the company that has pioneered the development and introduction of a novel technology that has either impacted or has the potential to impact several market sectors.

SIRAD is about the size of a credit card and is convenient to carry, enabling soldiers, police officers, firefighters, and emergency medical personnel to measure their radiation exposure while dealing with the aftermath of a 'dirty bomb' attack or nuclear explosion. The dosimeter also benefits persons routinely working with radiation, such as researchers, hospital workers, nuclear plant personnel, and people living near nuclear power plants.

When exposed to radiation, the sensing strip of SIRAD immediately changes color from clear to blue. The color intensifies as the dose increases, providing instant information on the cumulative radiation exposure of the victim. Thus, it minimizes panic and enables the medical staff to prioritize by treating the more serious cases first. Obtaining this information can take days using other methods such as X-ray film or thermoluminescent (TLD) dosimeters. Electronic radiation detectors are bulky, expensive, and limited in sensing low doses of radiation. On the other hand, SIRAD costs between $5 and $10 and is designed to instantly monitor a wide range of radiation exposure.

Initially, SIRAD's development was funded by the National Cancer Institute and the U.S. Naval Sea System Command. The interagency Technical Support Working Group (TSWG) has a contract with JP Labs to improve and test the badge, supported with funds from the U.S. Departments of Defense, Justice, Homeland Security, and State. Currently, JP Labs is supplying SIRAD to the U.S. armed forces, police, firefighters, medical

personnel, and persons working in or living near nuclear power plants in the United States. It also supplied badges to TSWG during the Iraq war.

The firm has introduced a 0-1,000 rads and a 0-200 rads SIRAD, both of which have a shelf-life of at least one year. JP Labs plans to introduce a 0-25 rads SIRAD badge and market all three versions of the dosimeter. A smaller version of SIRAD can be applied to other electronic radiation detectors and dosimeters, such as TLD. In the event of an accidental high dose exposure, SIRAD will instantly warn users of their radiation exposure. This revolutionary product is expected to change the methods of monitoring radiation.

"By developing a breakthrough radiation dosimeter that helps improve response to ‘dirty bomb’ attacks, JP Labs has enhanced the level of U.S. homeland security," says Frost & Sullivan Industry Analyst, Michael Valenti. "Its development of an innovative dosimeter technology, along with its pivotal contribution to U.S. homeland security, makes JP Labs a worthy recipient of the 2004 Frost & Sullivan Excellence in Technology Award."

About JP Laboratories, Inc.

JP Labs develops and patents new products/processes for licensing to other companies for eventual manufacturing and marketing on a royalty basis. Products developed by JP Labs include (1) indicators for perishables, such as time-temperature, freeze, thaw and moisture, (2) indicators for sterilization, such as steam, ethylene oxide, plasma, formaldehyde, radiation, dry heat and toxic chemicals, (3) indicators for detecting forgery (4) self-expiring visitors badges, and (5) radiation sensitive devices, such as SIRAD, self-developing dry-fixing instant X-ray film for monitoring radiation therapy and three-dimensional dosimetry. These and many other products developed by JP Labs are summarized on its website: www.jplabs.com. Radiation sensitive devices such as SIRAD are available for licensing and distributorship. For more information, contact: Dr. Gordhan Patel, JP Labs, 120 Wood Avenue, Middlesex, NJ 08846 (Tel: 732 469 6670, Fax: 732 469 6680, email: sirad@jplabs.com)

About Frost & Sullivan

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