



# News Release

News Release No. PR05-07

20 October 2005

## “CSI: New York” Turns TV Spotlight on Technology in use at ECBC

**Aberdeen Proving Ground, MD** — The hit CBS show "CSI: New York" is featuring DART™ a revolutionary detection technology on an upcoming episode titled "Dancing With the Fishes," which is expected to air October 26 or soon thereafter. Direct Analysis in Real Time, or DART™, is a uniquely sensitive machine designed to sniff out chemical agents, but also effective at detecting explosives, and drugs.

A technical adviser for the TV show, who used to work as a crime scene analyst for the Los Angeles Sheriff's Department, calls the new machine "fascinating." The story focuses on a woman who's found dead, with some glass shards in her feet. The crime scene investigators are able to use the DART to figure out where the glass came from.

DART™ was developed by two scientists at JEOL USA that discovered a means of enabling direct detection of chemicals on surfaces, in liquids, and in gases without the need for sample preparation. DART™ is unique in that samples are analyzed in open air, using no radioactive components, solvent sprays, exposed high voltage, or vacuum to alter the sample state. DART™ provides instantaneous detection for a wide variety of applications, from chemical warfare agents to environmental contaminants to explosives. The U.S. Army Edgewood Chemical Biological Center is currently testing DART™ for its ability to detect chemical agent on surfaces and in water.

DART™ was recently selected by R&D Magazine and an independent judging panel as one of the 100 most technologically significant products introduced into the marketplace in 2005.

DART™ Photo by ECBC PAO



*ECBC is the Army's principal research and development center for chemical and biological defense technology, engineering and services. ECBC has achieved major technological advances for national defense, civilian needs and industrial competitiveness, with a long and distinguished history of providing the Armed Forces with quality systems and outstanding customer service. ECBC is located at the Edgewood Area of Aberdeen Proving Ground, Maryland. For more information about the Edgewood Chemical Biological Center, please visit our Web site at <http://www.ecbc.army.mil> or call (410) 436-3610.*