



Selenium, Ltd. Leverages Technological Breakthrough in Antimicrobial Applications for new Plastics Initiative

Austin, TX – December 5, 2011 – Selenium, Ltd., the company that introduced innovative selenium based antimicrobial compounds, has developed a breakthrough and cost effective process to copolymerize the antimicrobial compound Seldox™ into a variety of plastics. Because of the significance and market potential of this novel discovery, Tommy Harlan, CEO of parent company Emergent Technologies, Inc. has appointed Ed Merrifield, COO of Emergent Technologies, Inc. to lead this major new initiative. Ed Merrifield stated, “I am excited to lead this initiative as this revolutionary technology raises the bar in the plastics industry for safe and effective antimicrobial products.”

The ability to integrate selenium based antimicrobial compounds directly into plastics offers distinct benefits over standard coating technologies. Seldox products not only provide a broad range of antimicrobial efficacy against bacteria, mold, mildew, fungi and viruses but also prevent cell growth catalytically without ablating from the surface. Seldox technology is based on the natural functions of the element selenium, which is required by the body, and provides an environmentally safe, “green” alternative to existing technologies. Selenium, Ltd. partners have previously achieved FDA 510(k) approval for two separate Class II medical devices. Given this approval, additional applications have a clear path to regulatory approval, if required. In addition, the technology has the ability to scale to meet manufacturing requirements and is available at a low cost; for pennies per pound of finished product for most plastics.

This novel copolymerization process has been leveraged to bring this technology to consumers through a number of diverse markets. Selenium President, Kris Looney, states, “With this new discovery, there are an unlimited number of potential applications for plastics. Non-toxic antimicrobials can now be safely integrated into a variety of products including childrens toys, water and beverage tubing, ice chests, and a host of other high-demand goods.” Ed Merrifield added, “We are currently seeking key industry partners and application partners for exclusive licenses to help commercialize this technology. This is truly a game changing innovation and we have just begun to recognize its full potential.”

About Selenium, Ltd.

Selenium, Ltd. was founded in 2004 based on discoveries made by Julian Spallholz, Ph.D. and Ted Reid, Ph.D. at Texas Tech University. Their work revealed that certain organo-selenium molecules are catalytic and produce super oxide radicals, resulting in a lethal, but short-range toxicity to surrounding cells. Thus, selenium-coated surfaces act as an impenetrable barrier to microbes and other cells, and selenium-armed molecules will selectively destroy targeted cells. Selenium, Ltd. is an Emergent Technologies Inc. (ETI) portfolio company, and ETI provides all management services. For more information, visit the company website www.selenbio.com.

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About Emergent Technologies, Inc.

Emergent Technologies, Inc. (ETI) is a life sciences technology investment and management company which provides early stage funding and development for scientific discoveries originating at universities and research institutions. The Company creates value by transforming scientific breakthroughs into technology platforms with multiple applications. ETI's unique innovation process enables the Company to select promising scientific discoveries for development, maximize the value of intellectual property and manage both cost and risk associated with the commercial development of early stage technologies. ETI is dedicated to turning research into revenue and, in the process, introducing compelling solutions to meet important market needs. For more information, visit the company website www.etibio.com.

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