

## **About Diomics:**

Diomics is a high-tech development company innovating eco-friendly, nano-composite materials for the Life Sciences, Recreational and Specialized product markets. The company will focus its launch in the Life Sciences arena by developing a product line that addresses critical but poorly served needs in the rapidly growing forensic sciences industry.

### **Diomics' Forensics Solutions**

The highly efficient **X-Swab™** is a robust, inexpensive and easy-to-use system which will replace fragile, low-release generic cotton swabs and expensive enzyme-based testing protocols. The **X-Swab™** was developed to be a strategic component of an engineered system to meet the objectives of the international *Rapid DNA Initiative* by eliminating the need for highly-trained lab personnel, greatly increasing test accuracy and significantly reducing time-to-result.

The **X-Swab™** has unique properties that can enable immediate DNA forensics at the crime scene and genetic testing in the doctor's office or at a patient's bedside. It utilizes **Diomat-XL™** a strong, lightweight, environmentally-friendly, functional material which leverages a patent filed-for "smart substrate" technology.

The cost of **Diomat-XL**-based materials is about 10% of other composite-based materials and can be manufactured using traditional production methodology.

### **Market Opportunity**

The total worldwide market for all Forensic products and services is growing at 12% annually and will be in excess of \$10.3 billion dollars in 2009. **X-Swab™** specifically aims at the fastest growing segment of this market, DNA profiling, estimated to be around \$800 million, expanding at a rate of 16% (AAGR). Swabs (only) used in DNA profiling tests are estimated to be between \$50-70 million.

The X-Swab is highly market disruptive, and is already in demand. It is expected to secure 25% of the DNA swab market by 2015. Product and services generated by the X-Swab introduction are expected to generate revenues to Diomics of \$25MM in five years.

### **Intellectual Property**

**X-Swab™** composition and its applications, is the invention of Dr. Zenhausern and his team at the Center for Applied NanoBioscience and Medicine, under the property of the Arizona Board of Regents, the legal entity governing Arizona State University and the University of Arizona. **Diomat-XL™** is the invention of Dr. Zenhausern and Dr. Kinder under exclusive property of Diomics. These core technologies are protected by PCT and provisional applications.