Life Technologies Signs Collaborative Agreement with Douglas Scientific

Partnership combines TaqMan® Assays and Array Tape™ platforms to enable seamless, high-throughput genotyping solutions

CARLSBAD, Calif., and ALEXANDRIA, Minn., July 13, 2012 – Life Technologies Corporation and Douglas Scientific LLC today announced they have signed a collaboration and co-marketing agreement to optimize technologies from both companies and provide seamless solutions designed for high-throughput genotyping applications. This collaboration will leverage Life's industry-leading TaqMan® Assays and Douglas's disruptive Array Tape™ Platform.

The growing demand for genetic marker screening has led to a greater need for high-throughput genotyping technology that can provide answers for researchers faster and more accurately with affordable, scalable solutions. While other systems enable genotyping of hundreds of samples, combining the TaqMan® SNP Genotyping Assays and Array Tape™ Platform allows customers to easily generate hundreds of thousands of data points per day.

"Taqman® is one of the most widely used assays for SNP genotyping. Optimizing the Array Tape™ Platform for this chemistry was a natural fit for our markets and applications," says Dan Malmstrom, President and COO at Douglas Scientific. "With preset protocols and optimized instrumentation our customers will realize their throughput and economic goals while experiencing improvements in efficiency and data quality."

The level of throughput and accuracy reached by combining these technologies is of particular benefit to the plant agricultural biotechnology and animal breeding industries for marker-assisted selection experiments. Genetic selection methods are now essential to enable these industries to keep pace with the food demands of the growing global population. Other animal, human and drug discovery research applications that require industrial-scale genotyping will also benefit from this powerful combination.

"The high throughput capacity of the Array Tape™ system is highly complementary to our real-time PCR portfolio, and in particular, our TaqMan® Assays," said Chris Linthwaite, Head of Genetic Analysis at Life Technologies. "Customers around the world can now leverage a complete solution for high-throughput genotyping – from sample prep to TaqMan® Assays and the Array Tape™ system, which together offer the industry's highest quality solution at the affordable cost and high throughput they need."

Array Tape™ is a continuous polypropylene strip, serially embossed with reaction wells in customized volumes and formats. With miniaturized reaction wells, this thin (0.3 mm) and flexible solution allows 200 microplate equivalents (76,800 reaction wells) to be spooled onto a single, compact reel. It's an automated, adaptable microplate replacement for high-throughput screening. Douglas Scientific provides inline, modular instrumentation that is fully integrated and optimized for use with Array Tape™ including: Nexar® liquid handling and assay processing system, Soellex® thermal cycler, Araya® fluorescent detection instrumentation and software solutions. The platform enables a continuous reel-to-reel process flow to maximize throughput and reduce costs.

Life Technologies offers Custom TaqMan® SNP Genotyping Assays for any species of interest. The TaqMan® portfolio also includes 4.5 million pre-designed TaqMan® SNP Genotyping Assays ideally suited for biomarker screening applications and confirmatory studies following next-generation sequencing experiments. They are designed to accurately detect and quantify genetic variations in DNA samples associated with particular phenotypes of interest. The TaqMan® portfolio also includes market-leading TaqMan® Master Mix reagents and sample preparation kits such as the TaqMan® Sample-to-SNP kit. They are part of a comprehensive portfolio of products and technologies to empower human, plant and animal sciences research.

The above mentioned technologies are for research use only and not intended for human diagnostic or therapeutic use.

About Life Technologies

Life Technologies Corporation (NASDAQ: LIFE) is a global biotechnology company with customers in more than 160 countries using its innovative solutions to solve some of today's most difficult scientific challenges. Quality and innovation are accessible to every lab with its reliable and easy-to-use solutions spanning the biological spectrum with more than 50,000 products for agricultural biotechnology, translational research, molecular medicine and diagnostics, stem cell-based therapies, forensics, food safety and animal health. Its systems, reagents and consumables represent some of the most cited brands in scientific research including: Ion Torrent™, Applied Biosystems®, Invitrogen™, GIBCO®, Ambion®, Molecular Probes®, Novex®, and TaqMan®. Life Technologies employs approximately 10,400 people and upholds its ongoing commitment to innovation with more than 4,000 patents and exclusive licenses. LIFE had sales of $3.7 billion in 2011. Visit us at our website: http://www.lifetechnologies.com.

Life Technologies' Safe Harbor Statement

This press release includes forward-looking statements about our anticipated results that involve risks and uncertainties. Some of the information contained in this press release, including, but not limited to, statements as to industry trends and Life Technologies' plans, objectives, expectations and strategy for its business, contains forward-looking statements that are subject to risks and uncertainties that could cause actual results or events to differ materially from those expressed or implied by such forward-looking statements. Any statements that are not statements of historical fact are forward-looking statements. When used, the words "believe," "plan," "intend," "anticipate," "target," "estimate," "expect" and the like, and/or future tense or conditional constructions ("will," "may," "could," "should," etc.), or similar expressions,

identify certain of these forward-looking statements. Important factors which could cause actual results to differ materially from those in the forward-looking statements are detailed in filings made by Life Technologies with the Securities and Exchange Commission. Life Technologies undertakes no obligation to update or revise any such forward-looking statements to reflect subsequent events or circumstances.

About Douglas Scientific
Douglas Scientific is dedicated to making our world a better place by delivering innovative laboratory automation. Array Tape is engineered to be a ubiquitous media for high throughput processing, driving more data at lower costs. The high throughput Nexar® (liquid handing system), Soellex® (thermal cycler) and Araya® (scanner) optimized for Array Tape virtually eliminate manual handling and complex robotics required for microplate-based systems. The platform enables new discovery in plant genomics, animal health, human diagnostics, and pharmaceutical applications at unprecedented speed and fractional costs. By partnering with the most creative and dedicated scientists around the world, the Company delivers advancements to address several imminent global issues and threats. Douglas Scientific is a wholly owned company of Douglas Machine Inc., with corporate offices located at 3600 Minnesota Street, Alexandria, MN 56308. Visit our website at www.DouglasScientific.com.

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