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NEWS RELEASE

Thermo Fisher Scientific Partners with Lentigen to Offer Revolutionary SMARTvector shRNA Lentiviral Particles for Gene Silencing

Baltimore, MD, (September 17, 2007) — Thermo Fisher Scientific Inc., the world leader in serving science, has partnered with Lentigen Corporation, a renowned developer of lentiviral vector gene-delivery systems, to launch Thermo Scientific Dharmacon SMARTvector shRNA Lentiviral Particles — providing researchers with an unprecedented tool that expands the utility of RNA-interference to more cell types.

While RNAi has revolutionized functional genomics and drug development, applications have been constrained by two obstacles: limited delivery of siRNA into cells that are difficult to transfect, and long-term silencing in the cells. “With SMARTvector, we can now effectively deliver silencing sequences in a broad range of cell types, including those that resist standard transfection such as primary cells, non-dividing cells, stem cells and neuronal cell lines,” said Mike Deines, vice president of sales and marketing for Dharmacon Products.

Thermo Fisher’s scientists applied their groundbreaking research and innovations in siRNA design to develop shRNA (short-hairpin RNA) design algorithm capable of routinely producing highly functional sequences. They developed shRNA containing silencing sequences specific to every gene in the human, mouse and rat genome.

“Thermo Fisher is the first company to develop a scaffold-specific shRNA algorithm for viral delivery systems, which has greatly enhanced the frequency of selecting functional gene targeting sequences,” added Deines. “Part of the problem with technology previously available is, while genes can be targeted for silencing, the silencing may not be very effective, and it may not be specific to the gene of interest. SMARTvector delivers a much higher level of silencing in the gene, and it addresses long-standing issues of off-target knockdown, which can skew experimental results.”

Following transduction, the gene silencing sequence is integrated into the host cell genome. This creates a permanent gene knockdown that cannot be achieved with synthetic siRNAs. SMARTvector incorporates several advancements in viral-based RNA interference systems. Lentigen’s proprietary manufacturing process provides a highly concentrated and purified viral delivery vehicle that enables a broader range of

experiments and reduces adverse effects on the cell. It produces lentiviral particles at titers of 10⁸ transducing units per milliliter or greater. This is 100-fold more concentrated than most methods generally available. High titers allow researchers a wider array of options in experimental design and investigation.

Dr. Boro Dropulic, founder and chief executive officer of Lentigen, said: “By linking the two industry leaders, we are delivering unmatched product performance. We will be in a strong position to create and commercialize highly advanced and robust RNAi products for scientists, providing them with the most efficient method possible to stably deliver and express RNAi in cells.”

SMARTvector is currently available and can be ordered at www.thermo.com/dharmacon

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With an annual revenue rate of more than \$9 billion, we employ 30,000 people and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit www.thermofisher.com.

About Lentigen Corporation

Lentigen Corporation is a privately owned biotechnology company focused on the manufacturing and development of lentiviral vectors using its proprietary gene delivery technology for a wide range of applications in biotechnology and medicine. Lentiviral vectors are highly adapted delivery vehicles that can transport genes or gene silencing sequences into cells with high efficiency and stability. Lentigen is positioning itself to become the leading provider of Lentiviral vector products and services for academic, government, biotechnology and pharmaceutical researchers. For further information, visit www.lentigen.com.

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