lumencor®

light engines uniquely designed for the needs of bioanalysis

PRESS RELEASE

Lumencor garners light engine customers throughout life sciences: New partnerships span Digital Pathology, Gene Expression Analysis and Confocal Microscopy

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OEM partnerships form the backbone of Lumencor's high growth business

Beaverton, Oregon—March 29, 2011—Lumencor, Inc., a biotechnology company developing lighting solutions for the life sciences, announces its newest partnerships across the breadth of research and clinical applications. A growing presence in the areas of digital pathology, gene expression analysis and confocal microscopy underscore the broad appeal of Lumencor's technology. Superior performance in the form of powerful, intense, stable, robust, long-lived and fast lighting protocols is needed. Lumencor now proudly supports the highest-performance instruments with solid state illuminators specifically designed for these bioanalytical fields:

Light engines for Digital Pathology. Today's demanding healthcare industry seeks digitalized information in the form of a virtual slide to quantitate and facilitate sharing pathology results. 3DHISTECH Kft is based in Budapest, Hungary. The company is not only adapting to the extremely fast changing field of digital pathology but it is at the forefront of technical innovation. 3DHISTECH began developing whole slide imaging ten years ago before it had achieved widespread acceptance and adoption. Now, the concept of digital slides has become a reality, providing solutions to the bottlenecks in a modern pathology lab. Lumencor enables these tools, based on fluorescent microscopy, with a six channel light engine that offers power, stability and fast switching between colors.

Light engines for Gene Expression Analysis. Fluidigm develops, manufactures and markets microfluidic systems for growth markets in the life science and agricultural biotechnology industries. Fluidigm's proprietary microfluidic systems consist of instruments and consumables, including chips and reagents. These systems are designed to significantly simplify experimental workflow, increase throughput and reduce costs, while providing the excellent data quality demanded by customers. In early February 2011, Fluidigm introduced its most advanced genomic analysis system, the BioMark™ HD Real-Time PCR System, providing sensitivity and throughput for studying gene expression down to the single cell level. The BioMark HD System is built on a high-throughput platform that delivers exceptional data quality and experimental flexibility, along with reduced sample-to-results times in a streamlined workflow. Lumencor's light engines afford the BioMark greater stability, faster throughput and longer life than arc lamp-based designs.

Light engines for Confocal Microscopy. CrEST SRL now offers an advanced accessory for use with a host of fluorescent microscopes for live cell imaging. The CARV X-light has been modified from previous models to offer multiple pin hole sizes, ease of use, automated software control and with Lumencor's help, a cost effective alternative to lasers for illumination. With Lumencor's light engine the cost of the confocal head and three lasers has been radically reduced while the technical capability has been preserved and in some respects expanded.

Lumencor, Inc.
Lumencor is a Beaverton, Oregon-based device manufacturer building novel light engines for the life sciences industry. Lumencor light engines provide high quality solutions for lighting subsystems employed by life science instrument manufacturers, bioanalytical researchers and scientists with high power, spectrally pure and stable light sources. The units are designed to simply replace today's light subsystems as well as for tomorrow's small, portable analyzers. Find more information about Lumencor at www.lumencor.com.

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