



## PerkinElmer Launches Operetta™ High Content Screening (HCS) System

SAN FRANCISCO, Jan 05, 2009 (BUSINESS WIRE) -At the 6th Annual High Content Analysis Conference in San Francisco, PerkinElmer, Inc., a global leader focused on the health and safety of people and their environment, today announced the launch of its Operetta™ system, a benchtop instrument that provides leading edge High Content Screening (HCS) and High Content Analysis (HCA) capabilities to drug discovery and cellular science research laboratories.

Operetta is an HCS/HCA instrument platform that employs PerkinElmer's proprietary new Harmony™ software which provides researchers with easy to use building blocks for creating user configurable workflows via simple step-by-step procedures. An extensive range of ready-made solutions for frequently used image analysis tasks is pre-installed. Also installed is a scalable database for image management, and data analysis or retrieval. The Harmony™ software provides tools to develop high content assays, image analysis storage and retrieval, as well as remote access capability.

"The Operetta™ platform and Harmony™ software extend PerkinElmer's portfolio in cellular imaging and bring the benefits of HCS and HCA to almost any life sciences laboratory," said Richard M. Eglen, Ph.D., president, Bio-discovery, PerkinElmer. "Our expertise in cellular imaging provides us with unique insights into common issues encountered in implementing HCS research. We are now providing this critical knowledge to Operetta™ users, so they can easily and rapidly optimize imaging studies for their cell science research."

The Operetta™ instrument is designed to allow maximum functionality in the smallest possible footprint. A large field of view and multi-processor technology facilitates high speed data acquisition and analysis. A wide range of objectives and filters, bar-coded for error-free operation, enables a wide range of assays and plates. This compact design fits almost any size laboratory, allowing a flexible and versatile solution to suit the needs of a cellular imaging research facility.

The key features of the Operetta™ system include:

- Exceptional image quality with alignment-free illumination
- Rapid image processing using multi-processor technology
- Intuitive user interface
- Extensive series of preconfigured image analysis applications
- Powerful image segmentation includes automatic parameter optimization for ease of use
- Easy to configure building blocks for custom image analysis

### Operetta™ Application Guide

To help new HCS users, PerkinElmer provides a step-by-step handbook to analyzing results, guiding researchers through the process, from using a ready-made solution to designing a new image analysis sequence from the building blocks provided.

### About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on ensuring the health and safety of people and their environment. The Company reported revenue of \$1.8 billion in 2007, has approximately 9,100 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through [www.perkinelmer.com](http://www.perkinelmer.com) or 1-877-PKI-NYSE.

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