



September 2, 2014

PerkinElmer Launches Innovative Multiplexing System

AlphaPlex™ Reagent Technology Provides Life Sciences Researchers with More Data in Less Time

WHAT: [PerkinElmer, Inc.](#), a global leader focused on the health and safety of people and the environment, today announced the launch of the [AlphaPlex™](#) reagent technology. The AlphaPlex technology is a homogeneous, all-in-one-well multiplexing reagent system for performing ultra-sensitive immunoassay analyses, while providing research professionals with more data in less time and with minimal human intervention.

AlphaPlex reagents are designed to extract more information from each assay by simultaneously quantifying multiple analytes in a single well. The AlphaPlex reagents draw upon PerkinElmer's AlphaLISA® technology to quantify multiple analytes in a single well.

"PerkinElmer is committed to providing researchers with the technology, information and insights for achieving higher accuracy with less sample in a shorter time frame," said Brian Kim, President, Life Sciences & Technology, PerkinElmer. "The AlphaPlex technology can reduce total assay time from one or two days to as little as two hours. These improvements can lead to advancements and discoveries, enabling the development of improved methods for diagnosing and treating diseases."

HOW IT WORKS: Based on PerkinElmer's proven [Alpha Technology](#), an alternative to enzyme-linked immunosorbent assays (ELISAs), AlphaPlex reagents are a homogeneous luminescent proximity technology that enables quantification of multiple analytes in a single well. When the Donor and Acceptor beads are brought together, a cascade of chemical reactions is set in motion, causing a greatly amplified signal. By using multiple Acceptor beads which emit different wavelengths, multiple analytes can be detected.

APPLICATIONS: Researchers can use AlphaPlex reagents to quantify a broad range of analytes, from nucleotides to large proteins, as well as immunophenotype various cell populations including immortalized, primary and stem cells. AlphaPlex reagents can be used to perform ratiometric signal measurement, allowing for higher reproducibility and lower false positive rate -- an important feature in high-throughput screening.

MORE: The new AlphaPlex technology can be read on Alpha-enabled, filter-based plate readers such as PerkinElmer's [EnVision®](#) Multilabel Plate Reader, which may also be automated using the [JANUS®](#) Automated Workstation. For more information on the AlphaPlex technology, please visit www.perkinelmer.com/AlphaPlex

About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2.2 billion in 2013, has about 7,600 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at www.perkinelmer.com.

Media Contacts:

Ilene Schneider

ileneschneider@aol.com

+1 (949) 433-6862