



PerkinElmer Announces Novel Epigenetics Detection Assays for High Throughput Screening of New Drug Targets

SAN DIEGO, CA – At the [Society for Neuroscience Annual Meeting](#), being held from November 13-17, [PerkinElmer, Inc.](#), a global leader focused on the health and safety of people and the environment, today announced the launch of a panel of epigenetics-based detection reagents to enable high-throughput screening (HTS) for new drug candidates. The new assay kits can screen for epigenetic factors to assist researching diseases such as neurodegeneration and cancer.

Drug targets related to epigenetics, the study of heritable changes in genome function not related to DNA sequence changes, are of growing interest in drug discovery due to their relevance in human diseases. The new panel of reagents, which employ PerkinElmer's LANCE® Ultra and AlphaLISA® detection technologies, accelerate cancer and neurobiology research by facilitating screening for modulators of DNA activity.

“We are excited to introduce our first epigenetics panel designed to detect DNA changes related to the histone, with a focus on assay selectivity, sensitivity and speed,” said Martina Bielefeld-Sévigny, Ph.D., vice president and general manager, Drug Discovery and Research Reagent Solutions, Bio-discovery, PerkinElmer. “Understanding the activity of enzymes that impact histone modification in neurodegenerative disorders and oncology is a high priority for both academia and the pharmaceutical industry, given the possibilities of accelerating research into critical disease states.”

She added, “Leveraging PerkinElmer's world-class reagent platforms, this new epigenetics-based assay panel is the first series built for high throughput screening (HTS) environments, allowing seamless integration into existing drug discovery workflows. With these new tools, researchers may detect environmental and translation changes related to DNA modification faster and without using radioactive labeling, for more efficient results.”

The new assays are designed to help researchers measure the activity of several epigenetic targets, such as histone methyltransferases (HMTs) and histone acetyltransferases (HATs) that methylate and acetylate histone peptides and proteins. PerkinElmer's new epigenetics reagents are the only no-wash, non-radiometric antibody-based screening solutions available for medium and high-throughput screening laboratories.

PerkinElmer's [LANCE Ultra](#) and [AlphaLISA](#) detection technologies are the first screening assays to allow researchers to distinguish between different methylation states incorporated at specific residues. Being homogenous assays, they do not require any wash steps, particularly important when optimizing protocols for HTS.

For more information please visit, PerkinElmer at booth number 1221 or visit www.perkinelmer.com/sfn2010.

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 \$1.8 billion in 2009, has about 8,800 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.

PerkinElmer Contacts:

Kim McCrossen

Phone: +1 781 663-5871

Email: kim.mccrossen@perkinelmer.com