



August 4, 2014

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WHAT: [PerkinElmer Inc.](#), a global leader focused on the health and safety of people and the environment, today announced the launch of its [CellCarrier™ Ultra 384well microplates](#), designed specifically for high content screening (HCS). The improved plate design results in higher quality image data and more robust results from HCS applications (such as phenotypic screening and three-dimensional disease model studies). This combination of capabilities provides researchers with the ability to obtain greater insights into disease and can help accelerate the discovery of new and more effective treatments.

"PerkinElmer's depth of expertise in HCS instruments and consumables enables us to develop innovative solutions for scientists who want to measure changes in cells in an unbiased, statistically significant way -- using physiologically relevant disease models that are indicative of human physiology." said Brian Kim, President, Life Sciences & Technology, PerkinElmer. "Innovations such as these microplates equip scientists with the tools to interrogate diseases more accurately in order to develop new and more effective treatments."

HOW THEY WORK: The CellCarrier™ Ultra 384well microplates are designed for enhanced performance in high content imaging applications where the imaging surface is critical for generating high resolution images and quality data. The plates are black and precisely engineered to have an extremely flat surface for efficient imaging. They are made using cyclic olefin, a plastic that has glass-like optical properties, to provide a clearer image.

Additional features of the microplates include better well access when using water immersion, high numerical aperture objectives with an ultra-low plate bottom, an improved lid design that reduces evaporation, corner spacers that avoid damaging the imaging surface when stacking, and a choice of different coatings to suit specific applications.

MORE: These microplates are part of PerkinElmer's total solution for high content imaging, which includes: the Operetta® High Content Imaging System, Opera® Phenix™ High Content Screening System, Columbus™ Image Data Management and Analysis System, and HC Profiler.™

For more information on PerkinElmer's Cell Carrier Ultra 384-well microplates, please [click here](#).

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.

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