



PerkinElmer Adds 3D Analysis to High Content Screening Applications in Drug Discovery and Biological Research

WALTHAM, MA - [PerkinElmer, Inc.](#), a global leader focused on the health and safety of people and the environment, today announced the addition of 3D image analysis to high content screening applications for drug discovery and biological research, by integrating the latest versions of the Company's flagship imaging software suites - Columbus™ 2.1 and Volocity® 5.3.2.

Now, for the first time, researchers have the unique ability to integrate these two powerful platforms and meet researchers' growing need to add 3D image analysis to high-content screening applications. Advanced 3D capabilities provide clearer and more accurate observations of cells and their interactions with disease agents or therapeutic compounds, for improved drug discovery and better insights into cell biology.

The Columbus platform is a web-enabled, open-source-based high volume image data management and analysis system that can import, export, store and manage images from a wide variety of source formats. The Volocity system is PerkinElmer's high performance 3D imaging software for acquisition, visualization, quantitation and restoration of images.

Problem: Scientists today are faced with immense challenges in looking for solutions that allow them to manage and then analyze the increasing volume of image data that they are generating.

Solution: New versions of Columbus and Volocity create a link between two powerful software tools.

How: The latest version of Volocity can support the Columbus server by allowing the transfer of high content screening experiments into Volocity through an easy drag and drop interface for powerful 3D analysis.

Benefits: Researchers can now transfer images from Columbus into Volocity for 3D analysis, and back again to store and manage.

- **Columbus 2.1:** increases speed 10-fold thus handling the massive image files that Volocity analyzes
- **Volocity 5.3.2:** now supports the Columbus server for an easy drag and drop link between Columbus and Volocity.

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 around 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 www.perkinelmer.com or 1-877-PKI-NYSE.

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