



Zymark Introduces the First Liquid Handling System with Volume Dispense Verification, Dramatically Reducing Time Consuming and Costly Repeat Assays by Laboratory Researchers

Zymark Developed Breakthrough System in Collaboration with Johnson & Johnson

PALM SPRINGS, Calif. – February 3, 2002 – At LabAutomation 2003, Zymark Corporation unveiled today the Sciclone iNL10®, a breakthrough robotic liquid handling system that was developed in collaboration with Johnson & Johnson (NYSE: JNJ). The iNL10 is the first liquid handling system that provides laboratory researchers with immediate verification of the exact amount of liquid that has been dispensed, thereby reducing the number of repeat assays required to ensure accuracy when transferring liquids in the low nanoliter range.

In developing the iNL10, Zymark responded to the increased need for scientists at large pharmaceutical, drug development and biotech companies to routinely transfer liquids in the low nanoliter range. Nanoliter dispensing and validation will prove beneficial to scientists that must efficiently manage expensive libraries of compounds and reagents in order to lower overall testing costs and minimize waste.

The Sciclone iNL10 is a 96-channel liquid handling system with a 20-position deck. New microflowmeter technology provides the iNL10 with the capability to transfer liquids in the ten to 10,000 nanoliter range with a CV (coefficient of variation) of less than ten percent. It also allows the system to report the actual amount transferred for each channel, the quality of the transfer and diagnostics concerning the status of each channel. The iNL10 can report this information to the operator or save it to an external database to help ensure the accuracy of the procedure. An expert system manages all the data generated by the system, which frees the scientist from the burden of having to learn how to monitor and interpret the information.

“The Sciclone iNL10 is the world’s first ‘intelligent’ liquid handler,” said Zymark CEO and President Kevin Hrusovsky. “To make it possible, Zymark has broken through the barriers to small volume liquid handling -- including the issues of clogging, viscous

liquids, dead volumes and washing tips -- that until now have prevented scientists from realizing the benefits that are possible.”

The iNL10 also can adapt to changing laboratory conditions. For example, if the laboratory temperature was allowed to change from 25°C to 35°C, the viscosity of the sample would decrease. At the higher temperature, the rate of flow would increase due to the change in viscosity. The iNL10 automatically adjusts the valve time to compensate for the change in viscosity.

The feedback control capability of the iNL10 allows for each channel to be independent of the sample’s viscosity, ambient temperature, debris in the sample and other factors that can lead to the inaccuracies seen in a standard displacement or time calibrated liquid handling systems.

About Zymark

Zymark is a leading provider of automation solutions serving the worldwide life science, biotechnology and pharmaceutical industries. The company has introduced new automation paradigms that have empowered scientists to raise laboratory research to a new, more industrialized level. With these advances, Zymark has firmly established itself as a solutions provider with a single-minded goal of streamlining the entire drug discovery pipeline. Zymark provides direct sales, service and applications support throughout the world and hosts the annual ISLAR conference on laboratory automation. For more information about Zymark Corporation and its products, visit www.zymark.com.

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Note to editors: contact Melanie Kahn for a photo of the Sciclone iNL10.

The iNL10 is a registered trademark of Zymark Corporation.