



NEWS RELEASE

Malvern® Instruments, Copley Scientific and Melbourn Scientific join forces to deliver unique spray analysis seminar

29 October 2007: Malvern, UK: An innovative one-day seminar, run jointly by Malvern® Instruments, Copley Scientific and Melbourn Scientific, and held at Malvern's UK headquarters on 18 October 2007, presented delegates with a unique opportunity to learn about different techniques for pharmaceutical spray analysis.

Combining their expertise in laser diffraction, cascade impaction and the practicalities of pharmaceutical analysis, the three companies were able to deliver an extremely useful seminar, successfully complementing theory with practical demonstrations. Spray analysis is critical for the development and QC of inhalation devices, including nasal sprays, nebulisers, and metered dose and dry powder inhalers.

Reviewing the day, Paul Kippax, Product Manager Diffraction Products for Malvern Instruments, said, "We see laser diffraction and cascade impaction as complementary techniques for the sector, a view highlighted by our decision to host this event. Malvern, Copley and Melbourn all have different experiences to contribute and this gave the event broad appeal. Feedback has been extremely positive and we plan to develop and repeat the seminar next year."

The seminar began with a presentation from each of the companies. These covered the topics of regulatory requirements for product testing, the application of laser diffraction in product development, and the practice and pitfalls of regulatory product testing. Later sessions demonstrating the use of laser diffraction for nebuliser and nasal spray characterization, and the set up and use of the Next Generation Impactor (NGI), furnished participants with practical tips for effective and efficient analysis.

Laser diffraction provides real-time particle size measurement during a spray event giving insight into the dynamics of spray formation. Cascade impaction on the other hand uniquely allows determination of the aerodynamic particle size distribution of the active ingredient within a formulation. Both techniques are valuable to the pharmaceutical industry, which has significant interest in the development of inhalation products.

To view other Malvern events visit www.malvernevents.com

Image, notes and contact details follow...

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High resolution image attached or available from Trish Appleton,
Kapler Communications trish@kapleronline.com Ref: MAL/JOB/1450

CAPTION: Seminar presenters, from left to right: Paul Kippax (Malvern Instruments); Mark Hammond (Melbourn Scientific); Anne Virden (Malvern Instruments); Martin Westcott (Melbourn Scientific); Mark Copley (Copley Scientific)



About Malvern® Instruments

Malvern® Instruments is a global company that develops, manufactures and markets advanced analytical systems used in characterizing a wide variety of materials, from bulk powders to the latest nanomaterials and delicate macromolecules. Innovative technologies and powerful software produce systems that deliver industrially relevant data enabling customers to make the connection between micro (eg particle size) and macro (bulk) material properties (rheology) and chemical composition (chemical imaging). Malvern laboratory, on-line and in-line solutions are proven in sectors from cement to pharmaceuticals and support the understanding, improvement and optimization of many industrial processes.

Headquartered in Malvern, UK, the company has subsidiary organizations in all major European markets, North America, China, Korea and Japan, key partnerships in India, a global distributor network and a number of applications laboratories around the world.

www.malvern.com

About Copley Scientific

Copley Scientific is recognised as the world's leading manufacturer of inhaler test equipment and is a major supplier of test equipment for pharmaceutical solid dosage forms, including tablet dissolution, disintegration, friability, hardness and powder testers. The company has offices in the UK and Switzerland and a partnership with aerosol particle science experts MSP Corporation in the US. Copley's broad range of testing products for metered-dose inhalers, dry powder inhalers, nebulizers and nasal sprays are supplied and supported worldwide through close relationships with specialist distributors. Serving the pharmaceutical and associated industries, Copley offers an extensive range of equipment for research, production, clinical trials and quality control, as well as full validation and aftersales service, providing a single source for products that meet individual needs. www.copleyscientific.com

About Melbourn Scientific

Melbourn Scientific is a contract pharmaceutical analysis laboratory providing outsourcing capability to the pharmaceutical and biotech industries.

Melbourn Scientific provides unrivalled chemical analysis and testing capabilities, experience and consultancy services to the global pharmaceutical industry, and with continual investment in infrastructure, equipment and training is set to remain at the forefront of pharmaceutical analysis as a service provision.

Having passed four FDA inspections in recent years (with no 483's or significant deficiencies noted,) Melbourn Scientific are also on the UK GMP and GLP programmes.

www.melbournscientific.com

Contact details follow...

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