

**NEWS RELEASE****Malvern Instruments announces global agreement with Proveris Scientific**

**21 May 2013: Malvern, UK:**

Malvern Instruments, a leader in the field of pharmaceutical material characterization, has announced a global agreement with Proveris Scientific Corporation, a company with complementary technology for orally inhaled and nasal drug product (OINDP) testing, to provide a complete solution for nasal spray characterization. This solution comprises the Solo™ for Spraytec system (Proveris), a high performance patented automated actuator and software for the precise control of the actuation profile applied during device testing, and the Spraytec laser diffraction particle size analyzer (Malvern), which measures the evolution of particle size in real-time during a spray event. In combination these technologies support the efficient optimization of nasal spray devices and formulations, and enable robust investigation of the parameters which may impact drug delivery.

“Malvern Instruments recognizes that the automated actuators that Proveris Scientific are known for are a valuable complement to the Spraytec for the investigation of nasal spray performance,” said Ciaran Murphy, Head of Product Management at Malvern Instruments, “This agreement provides streamlined access to a complete solution for nasal spray analysis and more efficient support. While initially focusing on requirements for the pharmaceutical industry we are hopeful that over time the initiative will also deliver benefits for other industrial applications.”

Controlling applied velocity during actuation of a nasal spray device ensures repeatable testing under representative conditions. The Solo™ for Spraytec system shares the patented MicroDrive™ technology of Proveris’s Vereo® automated actuator platform, and comes complete with easy-to-use software that allows control of the actuator and records all the parameters applied during use.

The Spraytec laser diffraction particle size analyzer measures the particle size distribution of sprays and aerosols at a rate of up to 10,000 measurements per second, capturing the evolution of droplet or particle size in real-time. For OINDPs it is applied in bioavailability/bioequivalence (BA/BE) studies for nasal sprays, where laser diffraction is recommended by the FDA, and to characterize and rationalize the dispersion behavior of dry nasal powders, metered dose and dry powder inhalers.

To find out more about automated actuators from Proveris Scientific go to [www.proveris.com/products-overview.htm](http://www.proveris.com/products-overview.htm)

To find out more about Spraytec go to <http://www.malvern.com/spraytec>

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