

NEWS RELEASE

Introducing the new NGI Assistant, a labour-saving device for higher productivity inhaler testing.

26th July 2018, Nottingham, UK: Hands-on demonstrations at Copley Scientific's UK headquarters are proving the perfect introduction to the upgraded NGI (Next Generation Impactor) Assistant, a labour-saving device that boosts the precision and productivity of inhaler testing to unprecedented levels. Cascade impaction is used to determine the aerodynamic particle size distribution (APSD) of all orally inhaled products; a critical quality attribute. The NGI Assistant automates the associated drug recovery process, making the conversion of NGI samples to solutions for HPLC analysis a simple, reproducible 'load and go' operation. The latest model offers shorter cycle times – boosting throughput and return on investment – and a simplified, easy-to-use interface. It frees analysts up for higher value work while at the same time improving data integrity by eliminating costly errors and operator-to-operator variability. To see the benefits first hand contact: sales@copleyscientific.co.uk

Cascade impactors produce a series of size fractionated samples which are recovered and analysed to generate an APSD specifically for the active ingredient(s) within an inhaled formulation. The NGI Assistant holds up to three complete NGI cup trays, but can also accommodate induction ports and preseparators, as required. Solvent is automatically dispensed by a robust, low maintenance liquid handling system to a volumetric accuracy of $\sim\pm 1\%$. The proven gentle rocking platform ensures complete dissolution of the drug and aliquots of the resulting solutions are then aspirated into standard HPLC vials for direct analysis.

The new system can accommodate dual HPLC vial racks, offering the capability to collect both primary and back-up samples for each NGI test undertaken. It is compatible with a wide range of solvents and specified with vials for industry-standard HPLC systems (Waters and/or Agilent); customisation for alternative vials is also available on request. Substantially upgraded Windows-based software provides an intuitive interface, making it easier to customise methods and safeguard data integrity via a range of security and electronic records management features. In combination the hardware and software provide an efficient, highly reproducible, turn-key

solution for automated drug recovery that can be used with confidence by multiple operators, throughout the lab.

To find out more contact: sales@copeyscientific.co.uk



The new NGI Assistant makes light work of the drug recovery process associated with cascade impaction, boosting the precision and productivity of inhaler testing

ENDS

About Copley Scientific

Copley Scientific is widely recognised as the world's leading manufacturer and supplier of inhaler test equipment and is a major provider of testing systems for other pharmaceutical dosage forms. The company also supplies equipment for detergent testing.

Copley Scientific's pharmaceutical product range includes test equipment for all types of orally inhaled and nasal drug products - metered-dose inhalers, dry powder inhalers, nebulizers and nasal sprays - with a particular focus on solutions for delivered dose uniformity and aerodynamic particle size distribution measurement. It also includes testers for tablets (dissolution, disintegration, friability and hardness) capsules, powders, suppositories, semisolids and transdermals.

Used from R&D through to QC, this extensive range of equipment is supported by a full validation and aftersales service. Copley Scientific has offices in the UK and Switzerland and works in partnership with aerosol particle science experts MSP Corporation in North America; specialist distributors extend localised support across the world. This network provides expert help and training to every customer, directly enhancing the application of all Copley Scientific products. www.copleyscientific.com



For further information

Press information/Company contact:

Anna Sipitanou, Business Development Manager, Copley Scientific Limited
Colwick Quays Business Park, Private Road No. 2, Colwick, Nottingham, NG4 2JY, UK

Tel: +44 (0)115 961 6229

Fax: +44 (0)115 961 7637

a.sipitanou@copleyscientific.co.uk

www.copleyscientific.com

European Office (Austria, France, Germany, Italy, Switzerland)

Copley Scientific AG

Erlenstrasse 27, Postfach 152, CH-4106 Therwil, Switzerland

Tel: +41 (0)61 725 25 35

Fax: +41 (0)61 721 31 87

sales@copleyscientific.ch

www.copleyscientific.com