

Waters expands UNIFI solutions, 3/14

March 2014—Waters Corp. announced three UNIFI Scientific Information System solutions: Waters Glycan Application Solution with UNIFI, Forensic Toxicology Screening Application Solution with UNIFI, and Natural Products Application Solution with UNIFI. Each application features a proprietary, comprehensive library of relevant molecules.

The Glycan Application Solution with UNIFI features an extensive N-glycan glucose unit reference database developed in collaboration with the National Institute for Bioprocessing Research and Training. The solution facilitates routine assignment of N-linked glycan structures, enables profiling of released glycans for individual sample analysis, and expedites multibatch comparability studies for innovator biotherapeutics or biosimilars.

The Forensic Toxicology Screening Application Solution with UNIFI was devised with direct input from forensic scientists in active forensic toxicology labs. The platform integrates chromatography method, mass spectrometry, and software to create an end-to-end solution that requires minimal or no method development. The software includes a database of compounds of toxicological interest that can be extended to address unknown analytes that may be germane to the evidence. The software security meets the chain-of-custody standards of forensic toxicology laboratories.

The Natural Products Application Solution with UNIFI enables labs to move from sample extract to product knowledge using a mass analytical platform integrated with fit-for-purpose workflows and reporting. The solution features a “Traditional Medicines” library, including all the herbs in the 2010 Chinese Pharmacopeia. The integration of data acquisition and processing with the Traditional Medicines library facilitates the identification and comparison of chemical ingredients from complex natural product samples.

These three application solutions can be deployed and configured for multi-user, server-based workgroups for the capture, storage, and management of analytical LC, LC/MS, and LC/MS/MS data.

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