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Contact:

ACD/Labs
(416) 368-3435 ext 297
media@acdlabs.com

Advanced Chemistry Development, Inc., Provides Advanced Solutions for Method Development with the Release of Version 7.0

Toronto, Canada, February 24, 2003 - Advanced Chemistry Development, Inc., announces the release of version 7.0 of ACD/Method Development Suite. This vendor-independent chromatography software enables scientists to retrieve starting methods, predict retention times, and model the separation of new compounds.

Developed for separation scientists, ACD/Labs software accelerates the selection of an optimal separation method at any stage based on expected chemical structures in the sample, and can help to unite data and knowledge within the laboratory setting so that the efficiency of prediction is increased with each new compound being studied.

ACD/Method Development Suite is composed of ACD/ChromManager, ACD/LC Simulator, and ACD/GC Simulator to allow separation scientists to use previously developed methods or to develop new chromatographic methods for their sample. ACD/ChromManager provides processing and databasing tools, integrated chemical structure handling, and a chromatographic database in the form of the ACD/Chromatography Applications Database. This structure-enabled database includes complete information for 4410 HPLC, GC, and CE separations in version 7.0, including a number of chiral separations, full method details, and assigned chemical structures for each chromatogram. "The addition of many applications and collaborators in the ACD/Chromatography Applications Database has greatly increased the chance for scientists to select a suitable starting point for method development prior to the first injection," said Michael McBrien, M.Sc., Chromatography Product Manager at ACD/Labs.

Extensive substructure and structure similarity search capabilities allow users to retrieve suitable separation methods for compounds structurally related to their own. Prior to the first chromatographic run, accurate retention times can be predicted based on chemical structures and available chromatographic conditions with version 7.0 of ACD/ChromManager. This will dramatically reduce wasted materials and iterative experiments.

Once optimal selection methods for a compound have been selected, separation scientists can use ACD/LC Simulator or ACD/GC Simulator to create optimal conditions for their compound with regard to composition of elution, buffer, gradient, temperature, salt concentration, and column characteristics. Suitability maps can be generated, optimizing suitability conditions with respect to run time, resolution, and robustness. ACD/LC Simulator version 7.0 features enhanced method optimization capabilities such as the ability to simultaneously use 1 to 25 experimental chromatograms, eliminating the need to have chromatograms for each pair of optimizing eluting factor values in 2D Optimization Modes. Michael McBrien of ACD/Labs also stated, "With its advanced capabilities, and easy-to-use interface, version 7.0 provides more power than ever before!"



As a part of an ongoing commitment to providing state-of-the-art analytical chemistry software, ACD/Labs now offers ACD/ChromGenius, which provides advanced solutions for method selection in high-throughput chromatography. Developed for parallel synthesis and chromatographic walk-up laboratories faced with hundreds and even thousands of samples on a routine basis, ACD/ChromGenius accelerates the selection of suitable starting separation methods from a group of candidate standard methods, which helps to eliminate iterative experiments and instrument downtime. ACD/ChromGenius learns as it works, utilizing user-specific experimental data to enhance the prediction for subsequent compounds.

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