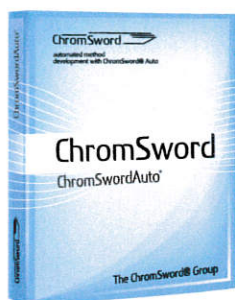


ChromSwordAuto® for Waters Acquity UPLC systems is your extremely powerful tool for method development



The Waters Acquity UPLC systems with ChromSwordAuto software integrate unique hardware and software features for rapid and fully automated method development.

What is ChromSwordAuto?

ChromSwordAuto is chromatographic software supporting rapid development of separation methods in liquid chromatography with a minimum of experimenting or fully automatically.

Integration with Waters

The Waters LC and LC-MS systems powered by ChromSwordAuto intelligence provide a technique for fast method scouting and optimization by automatically testing and optimizing method parameters such as:

- solvent composition
- gradient profile
- stationary phase
- pH value of the mobile phase
- column temperature
- flow rate

Highest Speed and Performance

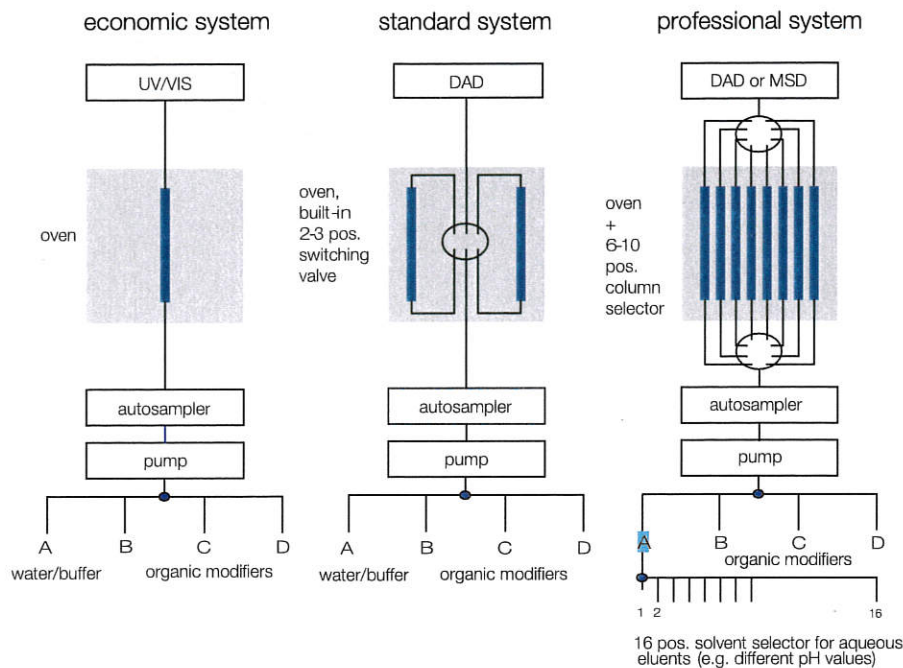
Combination of ChromSwordAuto intelligence and powerful Waters Acquity UPLC system provides automated method development in minimal time for almost any mixture.

Increased productivity!

"The manually developed method for the drug candidate mixture took two weeks of user time to compose due to the required separation of the large number of unknown impurities. The method obtained by ChromSword®Auto was developed in 3 days of unattended work (one day for the automated screening and 2 days for the automated optimization). Additionally, the ChromSword®Auto method provided a more complete separation all components in the mixture. The time saving estimation between the two methods amounted to 8 days."

Patrik Likulay, Ph.D.

**Pfizer Global Research and Development,
Michigan Pharmaceutical Sciences,
2800 Plymouth Road, Ann Arbor, MI 48105, USA
Journal of Chromatography A, 1107 (2006) 79-87**



Maximum level of versatility

ChromSwordAuto controls different configurations of Waters systems from the Alliance HPLC system up to the latest Acquity UPLC system.

ChromSwordAuto can talk to Waters Empower, Agilent ChemStation, EZchromElite, and Dionex Chromeleon data systems to run method development in unattended mode with Waters Acquity UPLC instruments. Network and client-server configuration are fully supported.

Method Scouting

Automatic column, solvent and buffer screening with up to 8 columns, 3 solvents, 16 buffers and different temperatures provides a highly productive approach to test different columns, solvents and buffers.

Rapid Optimization

ChromSwordAuto intelligent rapid optimization procedure allows to develop good methods extremely quickly.

Power Rapid Optimization

Combining of ChromSwordAuto rapid optimization procedure with multi-column, solvent, buffers options makes the system dramatically powerful to find separation conditions for very complex separations.

Fine Optimization

The unique ChromSwordAuto fine optimization procedure performs detail search for optimal isocratic and gradient conditions.

Robustness Test

Are your methods robust? ChromSword AutoRobust and Waters instruments will run robustness tests fully automatically.

Improved efficiency!

"For a challenging separation, especially for separation of multiple pairs of peaks, an automated method development approach will be much more efficient than a manual process."

Abu Rustum, Ph.D.

Global Quality Services – Analytical Sciences, Schering-Plough Corporation,

Union, NJ 07083, USA

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