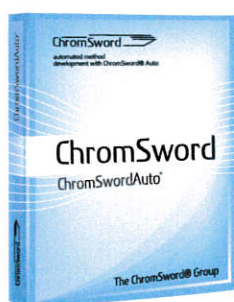


ChromSword

ChromSwordAuto® with LaChromElite® and LaChromUltra systems is your extremely powerful tool for method development



The LaChrom Elite and LaChromUltra 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 LaChrom

The LaChrom Elite and LaChromUltra systems with the intelligent ChromSwordAuto® provide a powerful 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

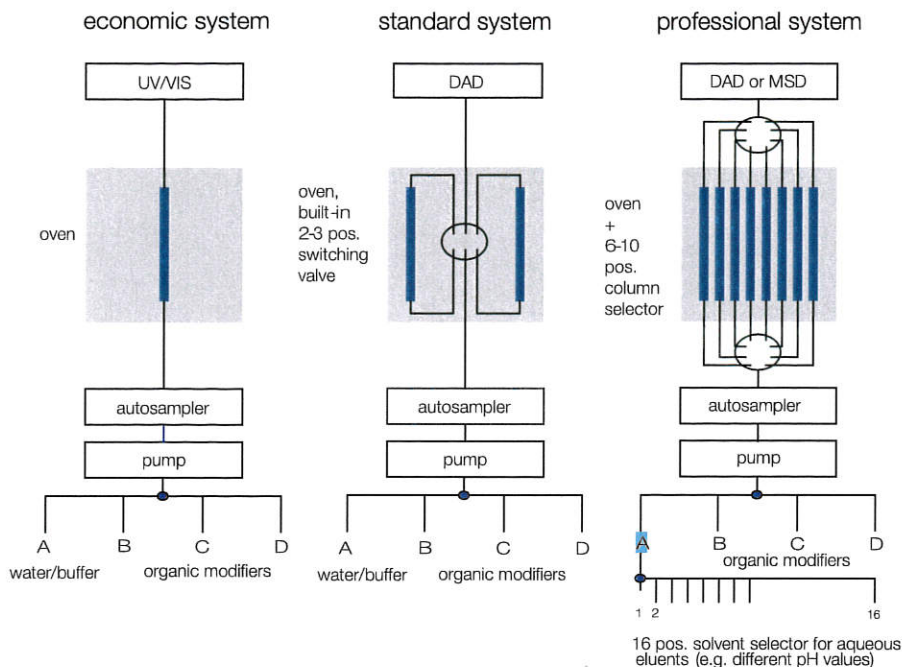
LaChrom Elite® and LaChromUltra combined with the powerful ChromSwordAuto® software perform completely automatic, unattended HPLC method development and optimisation within hours.

Faster, lower cost, and robust methods!!

"The Hitachi LaChrom Elite Automated Method Development system with ChromSwordAuto has been demonstrated to accurately generate new methods for non-traditional RP columns such as the Supelco Discovery HS F5 polar RP column. This translates into faster, lower cost, and robust methods in which analytes with polar functionalities can be more readily separated.."

John K. Lim, Ph.D.

Hitachi High Technologies America
LCGC North America, September 2003



Maximum level of versatility

Different ChromSwordAuto optimisation modes can be applied together with column and solvent switching procedures to evaluate a variety of column/solvent combinations automatically:

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

The rapid optimisation mode is used for fast screening of different columns with different selectivities and a variety of solvents (e.g. with different pH values), to quickly find a suitable separation system. The best candidate is then used for fine optimisation.

Fine Optimization

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

Robustness Test

Are your methods robust? ChromSword® AutoRobust your data system and Agilent LC 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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ChromSword

Germany

Im Wiesengrund 49 B
64367 Muehlthal, Germany
phone: +49 6151 136777

Latvia

17 Kalna Str., Riga
LV1003, Latvia
phone: +371 22515444
fax +371 67142225

www.chromsword.com
info@chromsword.com