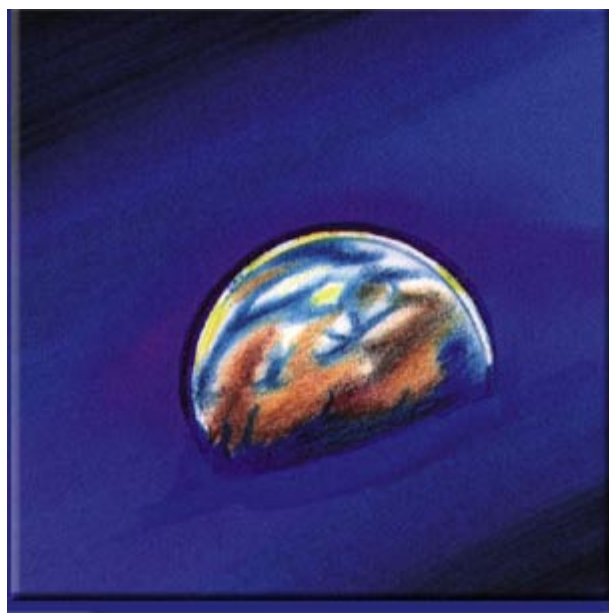


WINILAB III

CHROMATOGRAPHY DATA SYSTEM



SIMPLY EXCELLENT

PERICHROM
INSTRUMENTATION
SCIENTIFIQUE

Votre Spécialiste

CHROMATOGRAPHY, A PASSION AT YOUR SERVICE

PERICHROM, created in 1993, is dedicated to design, manufacture and sell scientific instruments and particularly gas chromatographs and their peripherals. PERICHROM has developed a complete range of instruments : Automatic sampler which fits any gas chromatograph, software for data acquisition from any GC or HPLC, automatic static headspace and dynamic headspace.

The gas chromatograph is a dual column chromatograph offering electronic pressure control and a complete choice of very performing detectors. Also available a compact model for routine gas analysis.

PERICHROM is set up in Essonne, a region near Paris known for its high technology : multimedia, cloning, artificial intelligence, robotics, etc.

TECHNICAL SUPPORT

PERICHROM and its certified distributors propose an efficient technical support to allow you to take full advantage of the WINILAB III software.

Our team of specialists is ready to answer your questions at anytime. You can contact us by phone, by fax or e-mail (contact@perichrom.com). Some tools are also available on our web site.

We also provide training courses for all levels of users which can be carried out in our office or on your premises.

PERICHROM
INSTRUMENTATION
SCIENTIFIQUE

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DEMONSTRATION

Would you like to try WINILAB III in your lab for a period of 30 days ? Just contact us or your local distributor to receive the demonstration CD including the complete WINILAB III software.

UPDATES & UPGRADES

With PERICHROM, each user is not only a valued customer but in addition, our real partner. From your experience and your suggestions, we continually improve the software in order to fit your evolving requirements and to offer you the latest technological enhancements.

PERICHROM proposes regularly updates and upgrades for WINILAB III. In this way, you will be sure that your chromatography data system will remain up to date.

SYSTEM REQUIREMENTS

Pentium recommended, 486 required
Windows 95, 98, 2000 or NT
64 Mo RAM recommended, 32 Mo required
At least 50 Mo disk space available
Color monitor (800x600, 65 536 colors)
CD-ROM drive

Your local distributor :



WINILAB III Detailed Features



ACQUISITION

2 data acquisition interfaces : internal board or portable acquisition device WiniPAD.
24 bit A/D conversion
Signal data input range : +/- 150 mV, +/- 1,25 V, +/- 10V.
Acquisition rate : from 1 to 100 pt/sec for each channel.
Real-time data transfer to the PC.
Up to 4 fully independent channels.
4 inputs for external starts and 8 TTL outputs
Import/Export capabilities for data exchange with other software packages.



ARCHITECTURE

Real 32 bit application for Windows 95, 98, 2000 and NT
Microsoft mouse-wheel supported
Microsoft Office «look and feel»
Intuitive setup with automatic Wizards and MS Excel grid style
Multitasking operation
On-line and contextual help.



DISPLAY

On-screen real-time plots.
Fully customized chromatogram display (colors, font, axis, labels, scales, height, widths, baseline, raw data points).
Zooming, expanding, compressing, moving, shifting the chromatogram.
Multiple chromatograms display in overlay mode.



INTEGRATION

Integrates after each run automatically
Powerful and reproducible integration algorithm allowing to handle any peak shape
Graphic determination of peak detection parameters simply via the mouse.
Integration time events with video Wizard
Manual integration toolkit
PeakTip for real-time display of peak parameters.



IDENTIFICATION

Absolute or relative peaks identification mode with adjustable retention time windows
“On-the-fly” peak identification mode.
Multiple reference peaks supported
Peak groups identification by name and by time slice.
Automatic retention time update.



CALIBRATION

Unlimited calibration levels.
Numerous methods for the concentration calculations : normalization, response factor, external and internal standards including logarithmic modes.
Multiple internal standards supported
Point to point, straight line, quadratic, cubic and power curve fits
Equal, 1/c, 1/c² and 1/c³ weightings of calibration points
Include, ignore and forced mode for origin treatment.
Enhanced display of calibration curves with statistics.



AUTOMATISATION

Integrator acquisition mode
Injection sequence for acquisition and processing of large batches of samples.
Quick and easy way to prepare a sequential run program
Instrument configuration Wizard.
Suitable for all chromatographic system (except mass spectrometer and diode array detector)



REPORT

Huge choice of standard report formats (normalisation, internal and external standard, suitability, ...)
Full user defined format including logo, results table, chromatogram plots and methods.
Easy format creation with MS Excel style



SUITABILITY

Reproducibility and repeatability survey on chromatographic parameters for any set of analysis.
Direct export to other Windows applications such as Spreadsheet or word processor.



PROCESS

Very fast method development including integration, identification, calibration, report printing and export to other applications
Batch reprocessing
Designed for connection with AIMS and LIMS.



SECURITY & GLP

Raw data integrity guarantee
Embedded method version in the analysis files
Events viewer for file history.
Results Audit view

Simply ... excellent

Until now, the choice of a chromatography data system has always been a question of compromise. One had to choose between the power or the ease of use, the price or the technology. The offer was limited on one side to low cost and intuitive software packages with poor performance and very often with an old-fashioned user interface, or on the other hand, products most certainly innovative and including many powerful features but too complicated and too expensive. Each new chromatography system provides more and more capabilities ... that the chromatographer will use rarely, or not at all, since one key point has been excluded : the ease of use. For all these reasons we have designed WINILAB III using this revolutionary concept : simply the essentials and simply ... the excellence.

WINILAB III is a new generation Chromatography data system offering both unsurpassed ease of use and latest software technology at a very affordable price. It provides users with common graphic user interface for any chromatographic instrument regardless of its manufacturer.

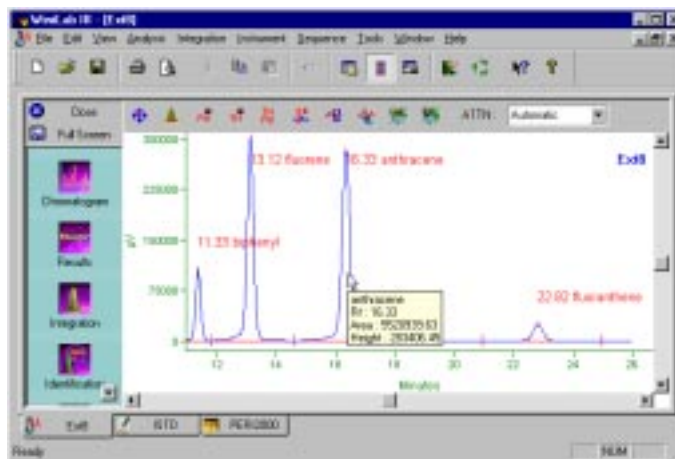
WINILAB III is a true 32 bit application developed in Visual C++ following industry standards. It has been optimised for use with Windows 95, 98, 2000 and NT.



The latest software technology at the chromatographer's service



WINILAB III combines the simplicity of an integrator and the power of a Windows based software at the forefront of technology. Its Microsoft Office™ look and feel interface provides a familiar environment for any user. Thanks to the WiniBar, you have direct access to the essential commands. Wizards, ultra



fast browsing , graphic integration, context menus and help, the customized environment, ... Everything in WINILAB has been designed to make the chromatographer's life easier.



The universal solution



WINILAB III has been designed to fit the requirements of your chromatography laboratory. WINILAB III can acquire and process your chromatograms whatever the separation technique used (HPLC, GC, IC, CE), the instrument manufacturer or the operating system (Windows 95, 98, 2000 ou NT). The set-up of a new instrument is performed via the wizard which guides you step by step. It is as simple as installing a new printer on your PC.



Choosing your acquisition interface



WINILAB III proposes two powerful acquisition interfaces : the internal board or the WiniPad portable external device. Both interfaces include 24-bit A/D converters and offer exceptional linearity, accuracy and noise characteristics. Based on the ultimate technology, the WiniPad device concentrates all its features in an amazingly small box. It allows you to use WINILAB III on a notebook computer and turn it into a dedicated data system for on-site analysis.





Manipulate your chromatograms as you have never done before



Thanks to its unsurpassed graphic interface, WINILAB allows you to manipulate your chromatograms like any other software can. You want to move it or compress it ? It is easy with the mouse-wheel. You want to overlay another chromatogram ? Drag and drop the corresponding file into the work space. You want to display the peak widths ? Just click on the right mouse button to select the display options.



Plug and acquire !



From start-up only a single keystroke is needed to start one chromatogram acquisition. No need to prepare time consuming method before. At any time, WINILAB is ready to acquire your data even if you are using another application or if you are reprocessing a batch of analysis.

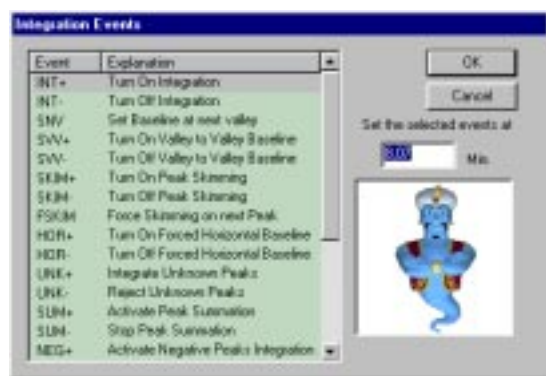
You work in a quality control lab using autosamplers ? Nothing is more simple with the injections sequence. It allows to generate sequences very quickly thanks to its spreadsheet utilities, to automatically acquire and process hundreds of analysis. Each analysis can use specific parameters for acquisition, integration or calibration.



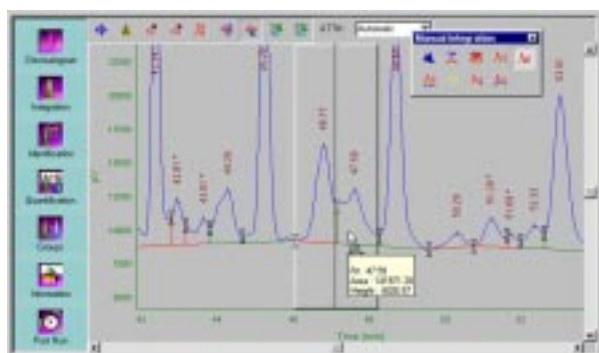
Graphic integration



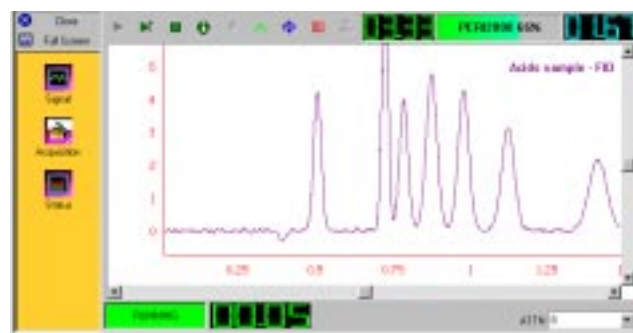
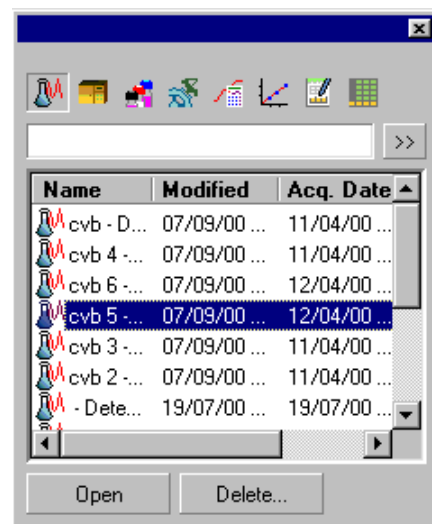
The integration algorithm of WINILAB allows you to detect the peaks perfectly whatever their shape or size and to accurately set the baseline. But the key point is that the setting of the parameters is done graphically. You just need to select a portion of the baseline and the smallest peak you want to detect with the mouse. It is so easy !



With WINILAB, you can also add integration timed events which allows a precise integration when the peaks shape may vary during the analysis. Similarly, the operation is very intuitive via the mouse and due to the WINILAB video wizard which describes the effect of each integration event.



WINILAB gives you unsurpassed flexibility. With its manual integration toolkit, you can easily place the baseline how you want it, add, fuse, split peaks all with a simple mouse clic.



Winilab's secret : the tools which will change your life

If WINILAB III is such an agreeable software to use, it is due to its complete set of unique and innovative tools :

WiniBar : Based on the principle of the well-known MS Outlook Bar, it allows access to different views and to WINILAB main functions with a simple mouse click.

Wizards : They will guide you step by step in particular during your familiarisation with WINILAB. Some of these wizards even contain animated videos !

Mouse Wheel : WINILAB uses the Microsoft mouse-wheel. It is very convenient when moving the chromatogram in the work space or compressing it.

Peak Tip : As soon as your mouse cursor is located on a peak, its key values (name, Rt, area, height) appears automatically in the Peak Tip !

Right button : By clicking on the right button of your mouse, you will access a menu including all the useful commands according to your location within the software.

Data Selector : This is a super file selector which you can keep anywhere in the work space, using it to drag and drop the files you need.



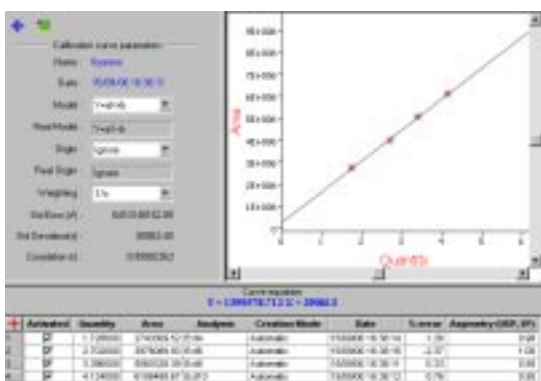
Reliable identification



WINILAB III automatically identifies your peaks by absolute retention time or in comparison with one (or several) reference peak(s). With its «on the fly» mode, you will be able to identify your peaks directly in your chromatogram on the screen : it is difficult to be more intuitive !



Calibration and quantification



The range of the quantification capabilities proposed in WINILAB III is huge : numerous quantification methods, multiple internal standards, wide choice of curve mathematical models, different origin treatments and several types of calibration points weighting. For your quantitative analysis, WINILAB III offers you unsurpassed flexibility.



Customised analysis report



WINILAB III lets you present the results of your analysis in any way you want. You can select one of the numerous existing report formats and get an instant printout of your results. However, you can also generate your own report format including a logo, the chromatogramme, the methods used, and all the information relative to the analysis, save it and use it over and over.

Friday 23 July 1999 11:08:34

Analysis : Ext10

Acquisition information
 Acquisition date : 08/07/99 17:14:15
 Acquisition source : Instrument GC2000
 Run length : 26.00 min
 Nb of points : 1562

Sample information
 Name : Ext10-10-2
 Sample type : Standard
 Vial # : 1
 Amount : 1.263 mg
 Vol. : 1.00 µl
 Information : None

Integration results

#	Name	Rt.	Rt. Offset	Area	Plates(EP)	Asymetry(EP)	Results
2	biphenyl	11.29	0.03	1688463	20167.75	1.04	4.36
3	fluorene	13.07	0.01	6001529	15569.93	0.95	4.12
4	anthracene	16.31	0.04	6891279	19116.11	0.95	2.62

Ext10 version 8 Page 1/1



Real open system



To take advantage of new emerging technologies and software tools, modern laboratories need to be able to exchange data. The days when proprietary black boxes acted as chromatography data stations have gone ! Designed to fit perfectly into your environment, WINILAB III empowers you to convert your data into different standard formats in order to exchange them with other 3rd party software. One of the major benefits of this is the ability to export results (to LIMS) and/or raw data (to AIMS).



GLP compliant



Everything in the WINILAB III software has been planned to ensure data security and integrity according to GLP requirements. The analysis files of course contain raw data, but they also contain all the associated information relative to acquisition and process. In particular, the file contains the version of the complete method used.

More about productivity

The major benefit of the ease of use of WINILAB III is a very fast accommodation for new users. In few minutes, WINILAB III can be installed on your computer and ready to acquire your data. This implies significant time saving and no need for painful and expensive learning curves like with other software packages.

WINILAB III is also distinguished by its capacity to automatically acquire and process large ranges of analysis, for example if you are using autosamplers.

And if you work in research and development, you will be attracted by its ability to acquire samples from a single key stroke like a simple integrator.

WINILAB III is a smart tool from which you will immediately benefit taking advantage of all its features and so increase your productivity.

