

Software

PurityChrom Bio

PurityChrom® Bio is a volume-based chromatography software especially designed for the area of bio purification and FPLC applications. PurityChrom® Bio provides a very user friendly and clearly structured interface. The system visualization provides a graphical representation and easy handling of the complex flow processes. Furthermore each device which is displayed in the fluidic scheme can be manually controlled giving the opportunity to optimize and change and adapt your conditions spontaneously during the run. PurityChrom® Bio includes intuitive data evaluation with peak recognition and integration. Due to a very high flexibility methods can be developed according to specific demands. You have the option to create a method based on volume, column volume or time. There is also a possibility to pause the method during the run due to the hold function providing you with complete control over your chromatography process. Solvent visualization calculates the consumption of solvent for the current run and prevents your column from running dry whereas waste management prevents the loss of your sample. For fractionation you can use a fractionation valve as well as a fraction collector. Current guidelines and regulations like 21 CFR part 11 are entirely supported. PurityChrom® Bio allows flexible support of different devices from KNAUER and other manufactures.



The basic version has limitations regarding the number of devices and data channels.

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| Package | PurityChrom Bio Basic License: 8 devices (one modul counts) 3 data channels without automatic injection |
| System architecture | 32-bit CDS |
| Operating system | Windows XP, Windows Vista, Windows 7, Windows 8 |
| Stand-alone | for one system and one computer |
| Multi-user environment | allows to create users in the system with individual access management |
| Fields of application | FPLC |
| Supported instruments | all KNAUER AZURA devices, the Foxy R1/R2 Fraction Collector (see Release Notes) and many other devices, detailed information on request |
| Instrument connection | supports RS-232, Ethernet, A/D-D/A interface |
| Recommended PC hardware | CPU/Memory: Pentium III or higher with at least 1 MHz at least 512 MB RAM (Windows XP) and 2 GB (Windows Vista and higher), Graphics: Screen with minimal resolution 1024 x 768, Connectors and Slots: USB for license dongle COM, USB or LAN according to connected instruments |
| Graphics capabilities | multiple chromatogram view and overlay, PDA view |
| Integration | real-time analysis of peaks, automatic or manual integration and baseline correction |
| Security and GLP | FDA 21 CFR Part 11 conformance |
| Instrument control | method-based instrument control, Instrument status display and Direct-Control mode, Direct Control can also be enabled for a run |
| Chromatogram operations | overlay view |
| Automation | sequences |
| Presentation of results | individual report configuration |
| Calculations | column performance calculations according to DAB |
| Data import and export | Comma Separated Value , AIA/ANDI, ChromStar Slice |
| Special features | direct control during a run, stacked injection, display of solvent supply , waste management |
| FRC option | included |
| FRC features | fractionation can be controlled by time (volume), level, slope including AND/OR combination of these criteria, spectra comparison, local maximum and local minimum, individual limits for fraction size, full manual control of fractionation during a run |
| PDA option | 3D chromatogram, peak purity analysis, spectrum search in self-made or commercial spectra library for this option the full and DAD license is needed |

Ordering details:

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| A2650 | PurityChrom Bio Basic License: 8 devices, 3 data channels, no autosampler supported |
| A2652 | PurityChrom Bio extend to unlimited number of devices number and 8 data channels, autosampler supported |
| A2654 | PurityChrom Bio 3D option for DAD |