

ChromLab Software

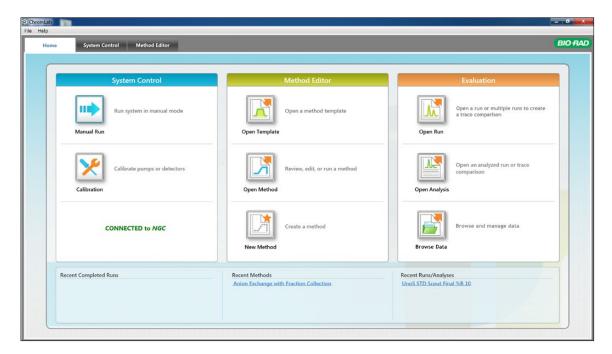
- Real-time monitoring of proteins, peptides, nucleic acids, and chromophores
- Rapid creation of trace comparisons for easy analysis across multiple purification runs
- Customizable chromatogram layouts with viewing and data analysis options
- Simplified method optimization and multistep automation with scouting and tandem templates
- VNC remote system control for flexibility and peace of mind
- U.S. FDA 21 CFR
 Part 11 compliance with
 ChromLab Software,
 Security Edition
- Multisystem control from a single PC
- Easy data storage on a centralized database with ChromLab Software, User Management Edition
- Edit on the fly during a method run

Comprehensive Protein Purification Control

ChromLab Software is the integrated software package for the NGC Chromatography System. It controls all functions for laboratory-scale protein purification, including instrument setup and calibration, method development, real-time monitoring and system control, chromatogram comparison, and rapid data analysis.

Intuitive Graphical Interface

All key functions are readily accessible from the home screen where you can easily navigate among system control, method development, and data analysis options.

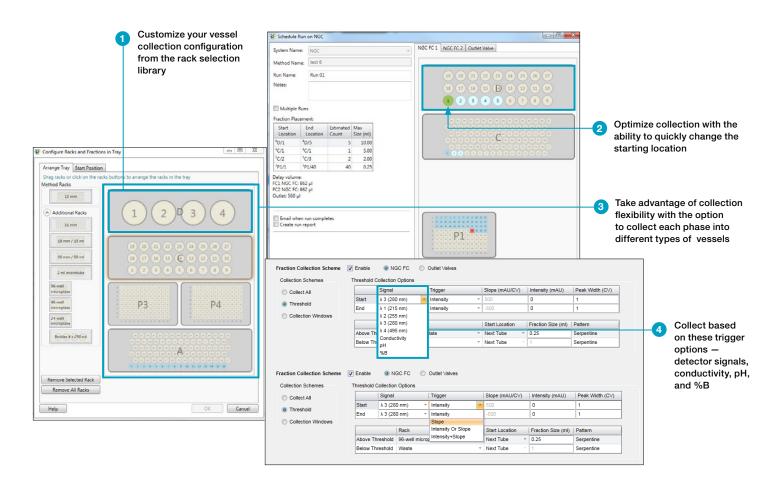




Ultimate Flexibility

ChromLab Software provides the flexibility of collecting fractions where and how you want. Determine the collection rack type and rack position to easily visualize your collection scheme for an entire method.

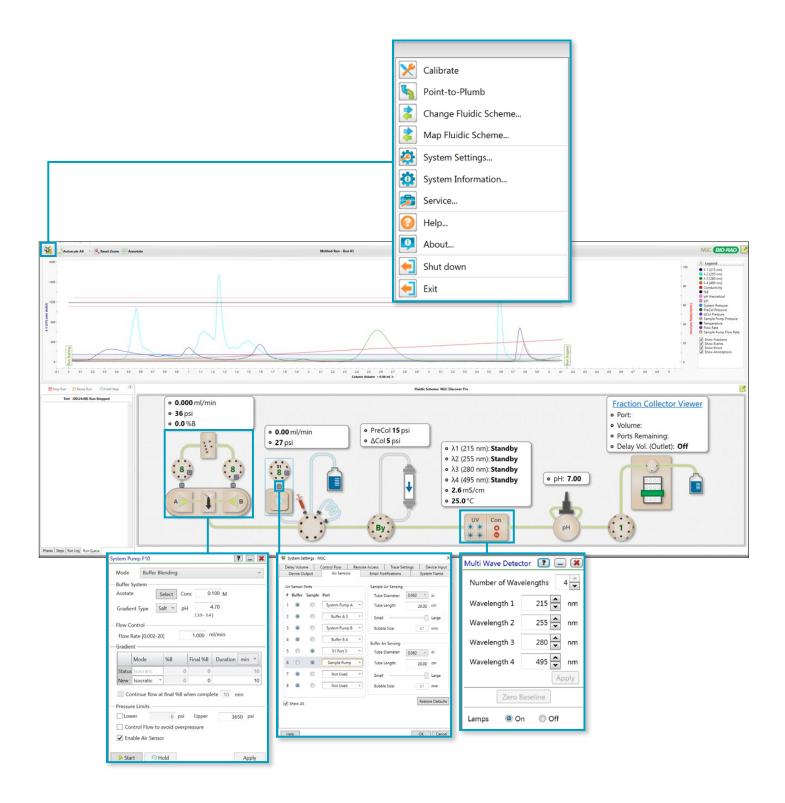
Need to make changes during a method? Now you can with edit-on-the-fly capabilities.





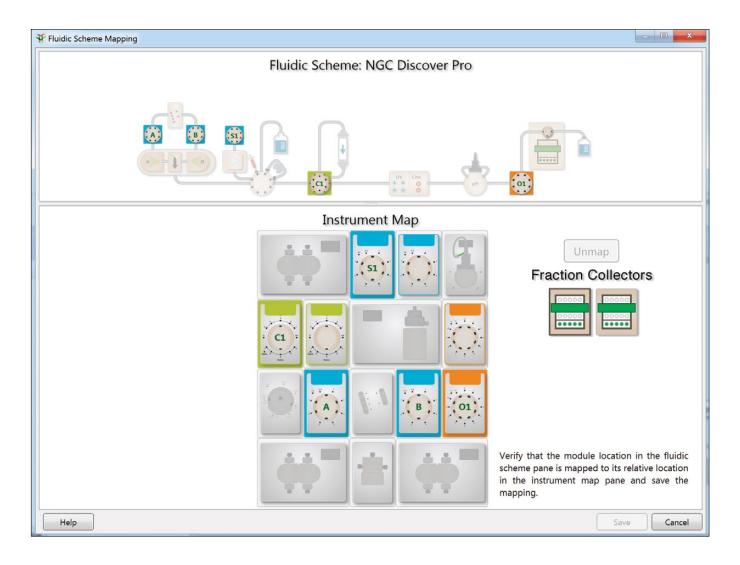
Convenient Touch-Screen Control

The instrument control interface is touch-screen optimized to allow access to all pertinent information, manual control, and routine calibration of the NGC System. Assign air sensor positions and fine tune air detection by setting the detectable bubble size to prevent unnecessary stops in your purification method.



Simplified Configuration

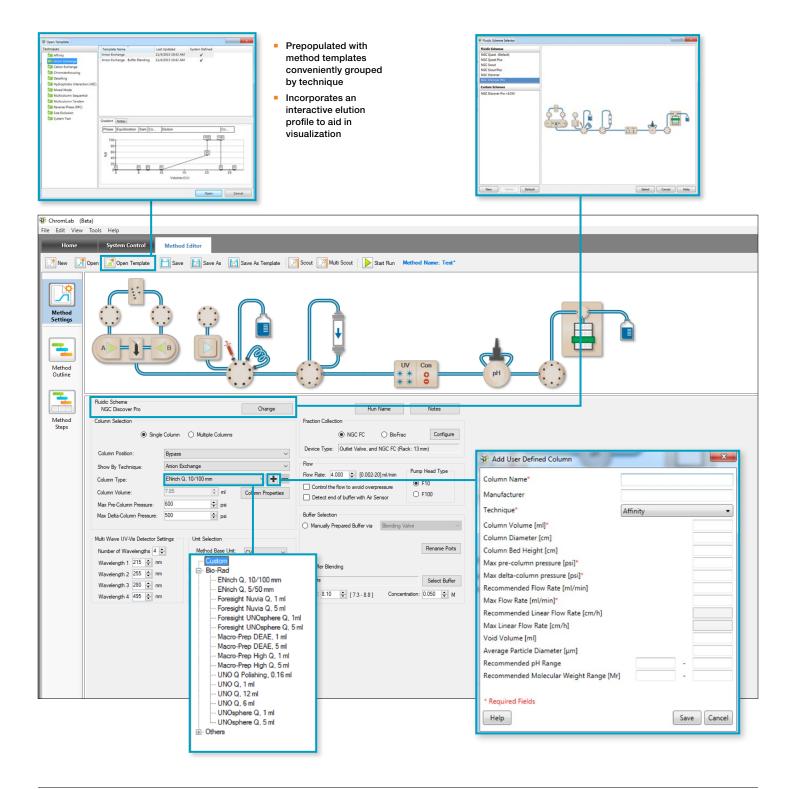
Module mapping helps configure the system to minimize tubing length and dead volume. Easily place modules where they are needed, and in a few simple steps the system is plumbed and ready to use. The mapping feature seamlessly associates the system configuration with the application.



Streamlined Method Development

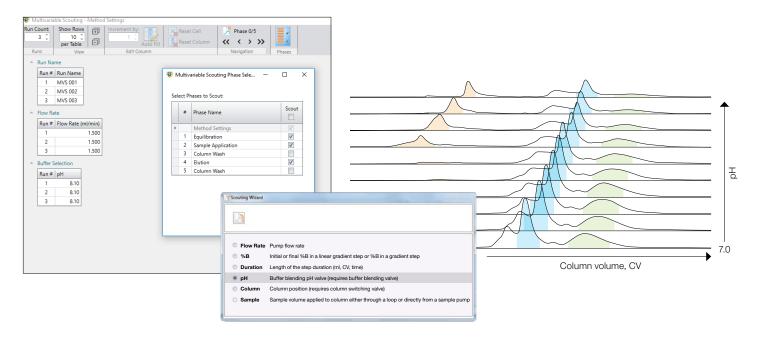
Methods are created based on functional phases so the user can easily build a method from scratch — no block programming required. Dynamic method creation, using drag-and-drop phases, allows rapid generation and modification of any method outline according to user protocol requirements. Different aspects of the NGC System setup process are easily accessible from one location.

The method template is constructed based on the method phases, which are compiled in a logical workflow. A prepopulated column library with key column information, including column dimensions, maximum pressure ratings, and recommended flow rates, minimizes the risk of overpressuring and damaging a column. In addition, custom user-defined columns can easily be added to the column library.



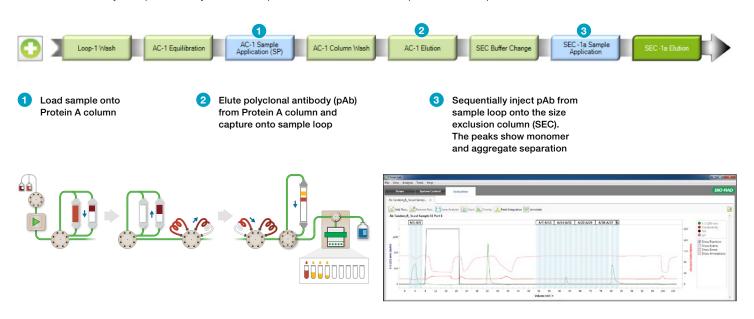
Method Optimization: Scouting

The Scouting Wizard in ChromLab Software helps determine optimal purification conditions in an automated, systematic manner. Scout one parameter at a time or multiple variables. In one method, screen up to 384 samples while scouting different sample volumes, columns, buffers, flow rates, or elution profiles. The buffer blending valve automates optimal buffer formation over a range of pH and salt concentrations using prepopulated buffer recipes, accelerating the method development process.



Automated Multidimensional Purification Techniques

ChromLab Software also includes preprogrammed multistep purification templates that allow automation to minimize hands-on time and maximize efficiency and productivity. These templates can be edited to fit specific user requirements.



Streamlined Data Analysis

ChromLab Software is based on intuitive functions and advanced tabular control to ensure seamless data integration analysis. Functions include peak integration, fraction heat maps to help locate proteins of interest, and protein quantitation calculations — a true one-click experience. Determine molecular weight of proteins when using a designated SEC calibration curve.

Single-click chromatogram overlay and peak integration allow effortless analysis and comparison of multiple run files*

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^{*} To ensure continuity, researchers can use ChromLab Software to import UNICORN 5 and 6 result files for analysis.

Innovative Solutions

- Remote monitoring and control from any networked device for flexibility and peace of mind
- Email notifications upon run completion or midrun if something unexpected occurs
- Real-time monitoring of active fluidics path with Point-to-Plumb LEDs, system touch screen, and ChromLab Software
- Multiple system control saves valuable laboratory space; run multiple NGC Systems with 1 computer
- Column Performance Tests ensure reproducibility and monitor performance
- Easy and accurate documentation with Method and Run Reports
- All relevant data can be kept together by attaching files to run, including gel documentation

Stringent Standards for IT and Regulatory Requirements

- Security compliance
- U.S. FDA 21 CFR Part 11 compliance
- Installation qualification/operational qualification (IQ/OQ)
- Microsoft SQL database
- User, group, and NGC System management

License-Controlled Central Database

In addition to multiple system control, the User Management Edition enables ChromLab users to share data on multiple computers, with other users, and from different NGC Systems. While all connected computers can view the chromatogram and fluidic scheme of the active system, only one computer controls the system. Methods, runs, and analyses are saved to the shared ChromLab database. User access levels can be set to ensure data integrity.



Ordering Information

Catalog #	Description
12009390	ChromLab Software, Standard Edition, 1 license
7886001	ChromLab Software, Security Edition, 1 license
7886003	ChromLab Software, Security Edition, 3 licenses
7886005	ChromLab Software, Security Edition, 5 licenses
17000099	ChromLab Software, User Management Edition, 1 license
17000098	ChromLab Software, User Management Edition, 3 licenses
17000097	ChromLab Software, User Management Edition, 5 licenses

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