



HPLC/FLASH Purification

ADVANCE THE PACE OF YOUR DISCOVERY
TO ACHIEVE THE RESULTS OF TOMORROW

 **GILSON®**



PLC Purification Systems

Accelerate the pace of your discovery

- Save time by minimizing the number of fractions to process because of the increased resolution and more targeted fraction collection when FLASH and HPLC are both available on the same system.
- Save time running the samples in your lab and under your supervision instead of sending them out to be processed on a shared system.

Highly efficient and versatile chromatography

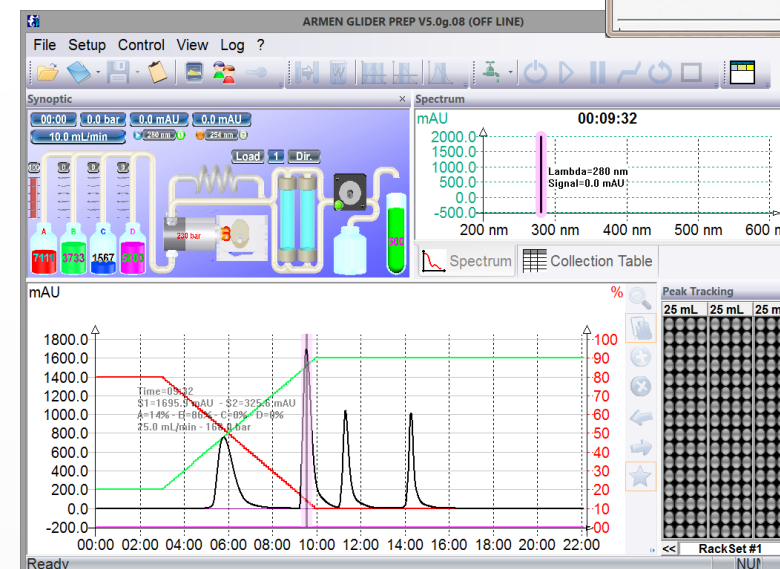
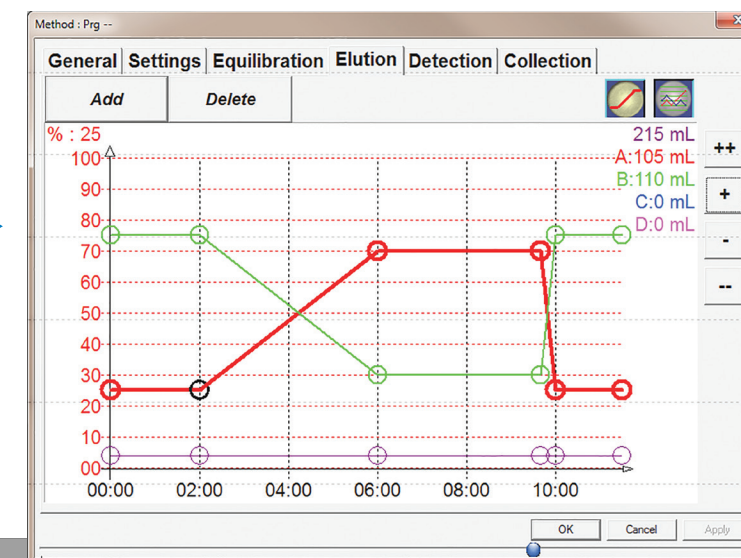
- PLC Purification Systems allow users to optimize methods efficiently and prolong the life of expensive preparative HPLC columns by running a FLASH purification prior to a preparative HPLC run.
- Small footprint preserves precious bench space while providing chemists with access to both HPLC and FLASH chromatography on the same system, cutting the investment in instrumentation in the lab in half.
- Switch between FLASH and HPLC chromatography in seconds rather than setting up multiple systems.



- Factory installed UV/VIS or DAD detector and built-in acquisition channel that allows for ELSD and/or MS detection
- Built-in loop injection valve
- Three models available to choose from:
 - 50 mL/min up to 300 bar
 - 250 mL/min up to 230 bar
 - 500 mL/min up to 110 bar
- Binary or quaternary gradients using built-in solvent valve

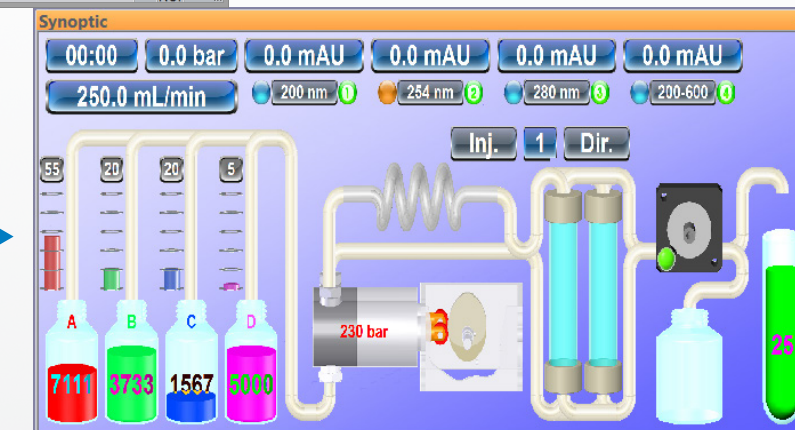
Gilson Glider Prep Software

Interactive method creation window allows methods to be created simply and visually



Optimize methods efficiently using "click and drag" gradient modification during the run

The "Synoptic" view allows users to quickly see and modify system parameters by clicking on any part of the diagram





Modular HPLC Systems

Walkaway automated solutions that meet the needs of your workflow, not a workflow that conforms to the requirements of automation

- Save time by automating your entire purification. Column selection allows a universal system for analytical method development and scale up to preparative, multiple purification modes (RP, NP, chiral), purification followed by direct analysis of fractions on analytical column, and column backflushing.

Preparative to analytical HPLC all in one system

- Liquid handling and injection capabilities on the same instrument allow multiple injections from the same sample, sample dilution, internal standard addition, sample cleanup by SPE, and more.
- Automated sample re-injection allows for dual injection paths, enabling analytical and preparative injections on a single platform without compromising data integrity. Learn to trust your data when automatically re-injecting collected fractions for purity confirmation instantly as part of a single run.

Select modular components to build a fully customized solution that fits your exact workflow

Choose from GX-281, GX-271, and GX-241 liquid handlers

Choose from a wide range of pumps:

- 30 mL/min up to 300 bar
- 50 mL/min up to 600 bar
- 200 mL/min up to 210 bar

Choose from UV/VIS, DAD, ELSD, conductivity/pH monitoring, and MS detection

Real-time monitoring helps protect your valuable biological samples, ensure their purity, and optimize each step of your method from beginning to end.

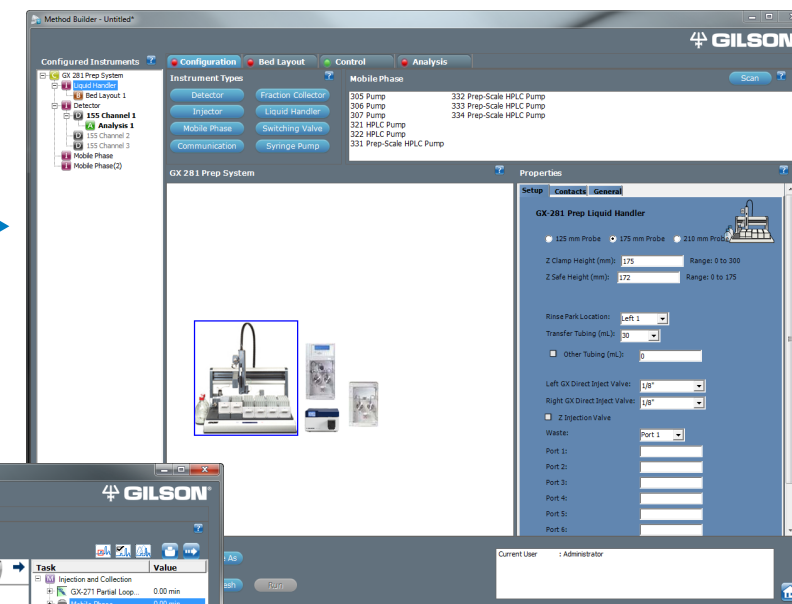
verity[®] 1810

Conductivity and pH monitor

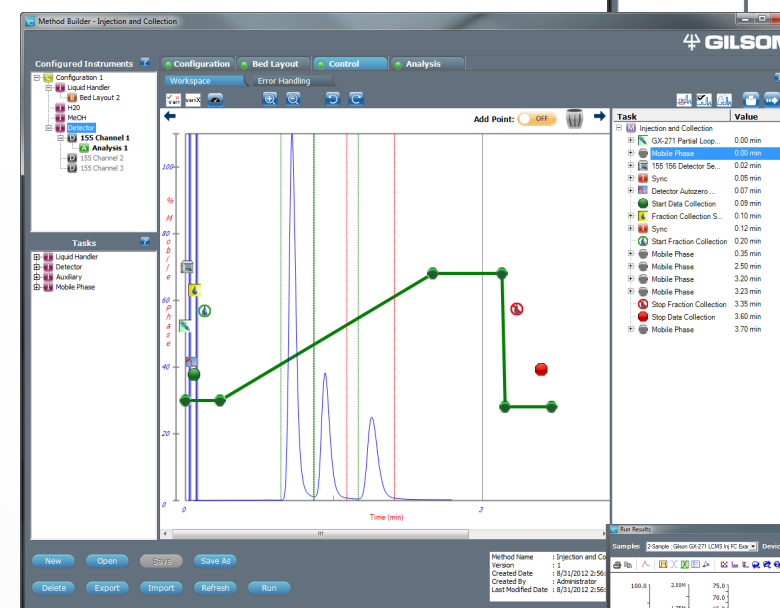
- Monitor column equilibration
- Ensure gradient formation
- Control the quality of your eluent

TRILUTION[®] LC Software

Get the separation, results, and recovery that you need to accelerate the pace of your discovery with TRILUTION[®] LC.

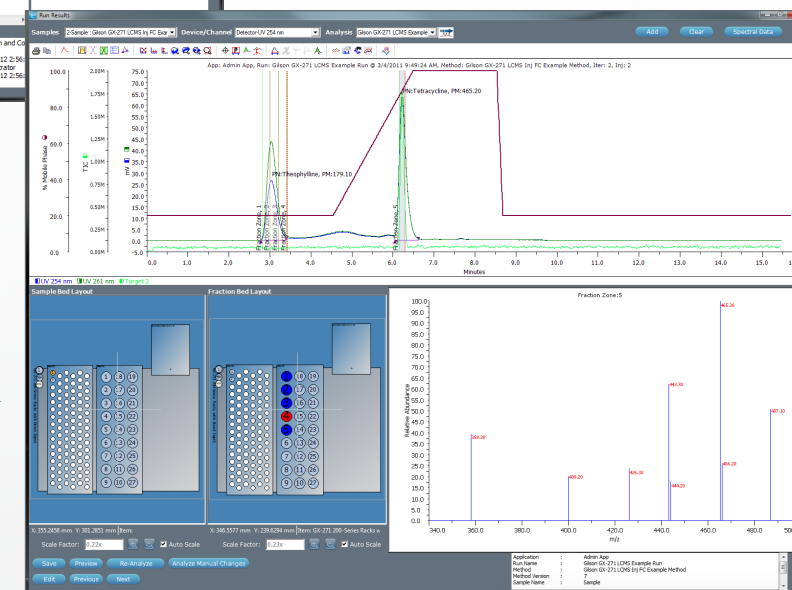


Shorten the time needed for training and method optimization by using drag-and-drop method creation.



Ensure efficiency in your liquid chromatography by collecting fractions by time, volume, level, or slope.

Conditional fraction collection based on data from up to eight channels allows for selective fraction collection, leading to fewer fractions, and less post-run processing.





VERITY® 1900 MS Detector

Maximize efficiency with parallel analysis

The VERITY® 1900 MS Detector is a single quadrupole mass spec detector with an integrated splitter and make up pump that saves any scientist valuable time, regardless of their prior MS experience. The detector increases productivity by confirming the molecular weight of every collected fraction during the purification process, eliminating the need for subsequent analytical verification, facilitating drug discovery.

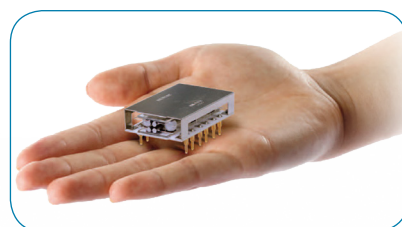
Analyze in minutes rather than weeks

Instead of outsourcing analysis, samples stay in house and under your supervision at all times.

Experience exceptional accessibility

Chip-based technology revolutionizes the way scientists perceive and approach mass-directed purification. Miniaturized system components allow the VERITY® 1900 MS Detector to:

- Consume less power
- Require little maintenance
- Conserve valuable bench space
- Require no nitrogen generator or roughing pump
- Offer reduced noise levels compared to traditional MS



Chip-based Mass Spectrometry



Mass Directed Compact Chromatography (PLC-MS) Systems



Optimize your PLC-MS methods quickly and easily with touchscreen interface

Save time and money when you can confirm the contents of your collected fractions

Get more from your lab space when the compact VERITY® 1900 MS Detector is combined with a PLC Purification System

Mass Directed Modular Chromatography (LC-MS) Systems



Add the VERITY® 1900 MS Detector to any modular HPLC system under TRILUTION® LC control

Mass Based Purification

Simple as:

- 1 Select scan range >
- 2 Enter target masses and adducts >
- 3 Select conditional logic collection to trigger off both UV and MS >

RUN!



www.gilson.com



www.gilson.com | sales@gilson.com | service@gilson.com | training@gilson.com | hr@gilson.com | oem@gilson.com
Gilson, Inc. | PO Box 620027 | Middleton, WI 53562-0027 | Tel: 800-445-7661 | Fax: 608-831-4451

©2016 Gilson | All rights reserved | Specifications subject to change without notice | All trademarks are the property of Gilson and its subsidiaries | LT303061-08