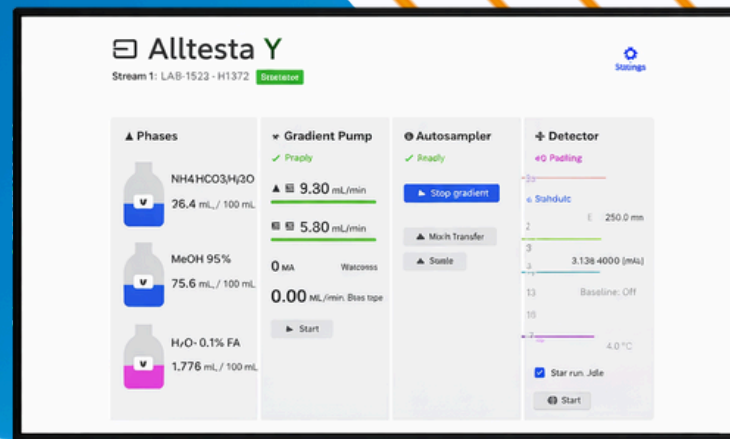




more at [www.sielc.com](http://www.sielc.com)

# Product Catalog

INNOVATIVE YET INTUITIVE HPLC



# Cromite™ HPLC System

**Cromite™:** Simplifies Research and Delivers Precision

The Cromite™ HPLC System is a compact high-performance liquid chromatography (HPLC) instrument for scientific research and education. It combines simplicity with advanced functionality, featuring automated single-vial injection, high-pressure flow, and sensitive UV/Vis detection for accurate identification and quantitation.

The system uses proprietary **single-ended column technology** (up to 150 mm) by SIELC Technologies, eliminating tubing and fittings, reducing dead volume, and enabling tool-free column replacement. Cloud-based software allows remote operation, real-time monitoring, and easy data sharing.

## Injection

Automatic, 1 Vial

## Pressure

up to 4000 psi

## Flow rate

0.1 - 4.0 ml/min

## Wavelengths

Any 4 starting from 235 nm

## Supported Columns

4.6, 3.2, 2.1 mm ID

## Pump type

Syringe

## Column Length

150 mm or smaller



4.5 x 7.5 x 4.5 inc

3.2 lb



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# Alltesta™ Automated Analyzer

## Alltesta™: Boosts Productivity and Ensures Accuracy

The Alltesta™ Automated Analyzer, developed by SIELC Technologies, provides a sophisticated solution for high-performance liquid chromatography (HPLC). Its compact size allows installation even in space-constrained environments, and its high-performance capabilities make it invaluable in labs that demand rapid and accurate results. The Alltesta™ Automated Analyzer utilizes HPLC.cloud for data management and cloud-based analytics, enhancing workflow efficiency, accessibility, and data safety. This integration simplifies remote access, real-time monitoring, and data sharing, making it a powerful tool for laboratory operations.

**Injection Type**  
High pressure

**Sample Capacity**  
Automatic, 48/96 Vials

**Flow Rate Range**  
Pressure limit

**Injection Range**  
1-75 µL

**Wavelengths**  
Any 4 starting from 235 nm

**Supported Columns**  
4.6, 3.2, 2.1 mm ID

**Pump type**  
Syringe

**Column Length**  
Any



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# Alltesta™ Mini-Autosampler



6.3 x 5.7 x 7.7 inc



6.6 lb

## The Mini-Autosampler **Frees Up Time** & Handles Accuracy

The Alltesta™ Automated Analyzer, developed by SIELC Technologies, provides a sophisticated solution for high-performance liquid chromatography (HPLC). Its compact size allows installation even in space-constrained environments, and its high-performance capabilities make it invaluable in labs that demand rapid and accurate results. The Alltesta™ Automated Analyzer utilizes HPLC.cloud for data management and cloud-based analytics, enhancing workflow efficiency, accessibility, and data safety. This integration simplifies remote access, real-time monitoring, and data sharing, making it a powerful tool for laboratory operations.

**Maximum Pressure**  
High pressure

**Volume Accuracy**  
0.1 µL

**Plate**  
48, 96, 384 vials

**Syringe Volume**  
120 µl, 4000 µl

**Valve options**  
6×2, 7×6, 10×9, 7×6\*, 6×2\*  
\*other rotor

**Needle**  
36 mm, 46 mm



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# Alltesta™ Mini UV-Vis Detector

## The Detector **Sheds Light** on the Analytes

The Alltesta™ Mini UV-Vis Detector is designed for accurate, real-time monitoring of optical properties in flowing solutions. It features a simple setup with a USB interface for communication with the Alltesta™ Analyzer or other instruments. With a low optical cell volume (<3 µL) and minimal dispersion, it collects data at 20 sps per optical channel, making it ideal for demanding applications.

The detector can be supplied with an optional connector which provides an analog signal output.

### Optical Cell Volume

<3 µL and 10 µL

### Cell Pressure

250 psi (18 bar)

### Cell Optical Path

7.0 mm

### Liquid Ports

10-32 UNF compression

### Pressure Accuracy

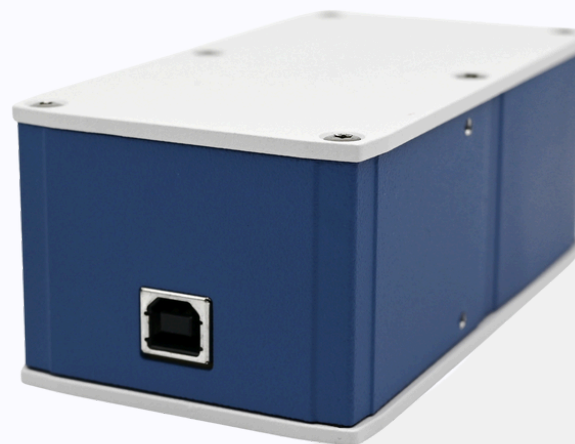
235 nm and up

### Wavelengths

Up to 4

### Data Rate

20 sps/channel



6.3 x 5.7 x 7.7 inc

0.55 lb



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# Alltesta™ Mini Syringe Pump

The Syringe Pump Delivers **Pulseless Liquid** Flow

Alltesta™ Mini Syringe Pump delivers a steady, pulsation-free flow at high pressures, eliminating the need for dampeners, mixers, and check valves. It refills in under a minute and offers flow rates from 1  $\mu\text{L}/\text{min}$  to 4000  $\mu\text{L}/\text{min}$  with pressures up to 4000 psi (275 bar), making it ideal for demanding applications.

The pump features easy USB setup for communication with the Alltesta™ Analyzer or other instruments, and comes with free Windows-based software for full control.

## Maximum Pressure

4000 psi (275 bar)

## Wavelength Range

$\pm 1$  psi

## Flow Rate Range

0.001 to 4 mL/min

## Contact with liquid

SS316, PTFE, PEEK

## Speed Accuracy

1% of full-scale

## Syringe volume

5.8 mL

## Linearity Full Range

Linearity Full Range



2.5 x 6.6 x 5.0 inc

0.55 lb



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# Alltesta™ Mini Syringe Pump

## Our High-Pressure Switching Valve **Expands Opportunities**

The Alltesta™ Mini Switching Valve offers versatility and convenience for laboratory fluid management applications. It features flexible flow switching at varying flow rates and can be used independently or as part of the Alltesta™ Analyzer or Alltesta™ Autosampler.

With customizable options, including up to 10 available ports on the stator, the valve can be tailored to specific needs. It is built to handle pressures up to 5000 psi (345 bar) and boasts a fast 60 degree switch time of 200 milliseconds.

### Pressure

5000 psi (345 bar)

### Switching speed

For 60 degree: 200 ms

### Valve options

6×2, 7×6, 10×9, 7×6\*, 6×2\*

\*other rotor

### Power requirements

5.8 mL

### Contact with liquid

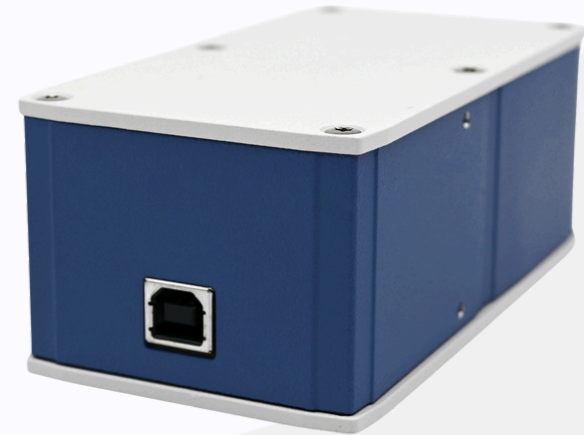
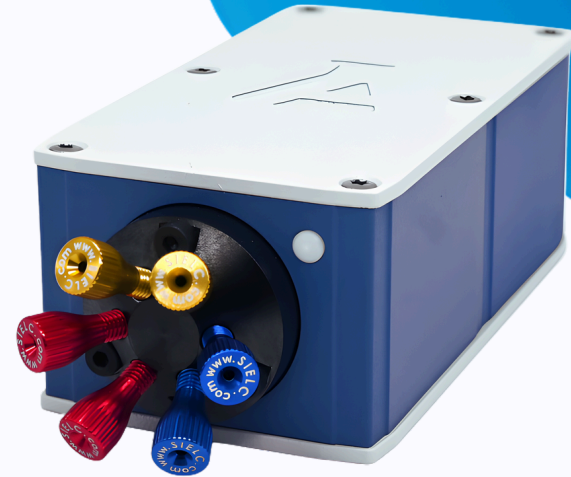
SS316, Vespel®, PTFE, PEEK



2.5 x 1.8 x 4.6 inc



0.95 lb



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# Alltesta™ Mini Liquid Handling Station

6.3 x 5.7 x 7.7 inc  
5.0 lb

## The Liquid Handling Station **Seamless Sample** Processing

The Alltesta™ Mini Liquid Handling Station (LHS) is a compact, cost-effective solution for automating sample handling in labs. Designed for easy integration, it offers efficient, customizable liquid handling with its patented mechanical structure and adjustable speeds.

The LHS includes in-vial sample mixing, a needle washing station for four solvents, and OEM customization options like custom needle lengths and trays. It also supports comprehensive software integration for smooth operation.



**Needle Wash**  
Inside and Outside

**Plate**  
48, 96, 384 vials

**Power**  
24 V

**Needle**  
36 mm, 46 mm



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# Samplify™ Automated

## The Automated System for **Precise, Contamination-Free Sampling**

The Samplify™ Automated Sampling System performs sampling from any closed or open liquid-containing system, including Reactor setups with high pressure, high temperatures, or other extreme and hazardous conditions, without the need for operator intervention. It automatically collects samples at specified time intervals, improving accuracy, safety, and time efficiency.

The Samplify™ reduces cross-contamination, prevents exposure to oxygen or moisture in anaerobic conditions, and enhances reproducibility.

### Draw/refill rates

Up to 48,000  $\mu\text{L}/\text{min}$

### Plate

48, 96 vials

### Contact with liquid

SS316, PTFE, PEEK

### Syringe Volume

4000  $\mu\text{L}$

### Variable sample volume

From 5 to 500  $\mu\text{L}$

6.3 x 5.7 x 7.7 inc  
5.0 lb



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Your account is reachable **by any** internet ready device

The web-application [www.hplc.cloud](http://www.hplc.cloud) solves the problem of instrument control and data handling.

Run injections and sequence, record chromatograms, integrate peaks and estimate compounds.

By connecting instruments directly to a secure cloud server, the software provides a centralized and flexible solution for managing HPLC operations.

#### Cloud Platform

Access data from anywhere in the world

#### Secure

Secure storage of methods and results

#### Collaboration

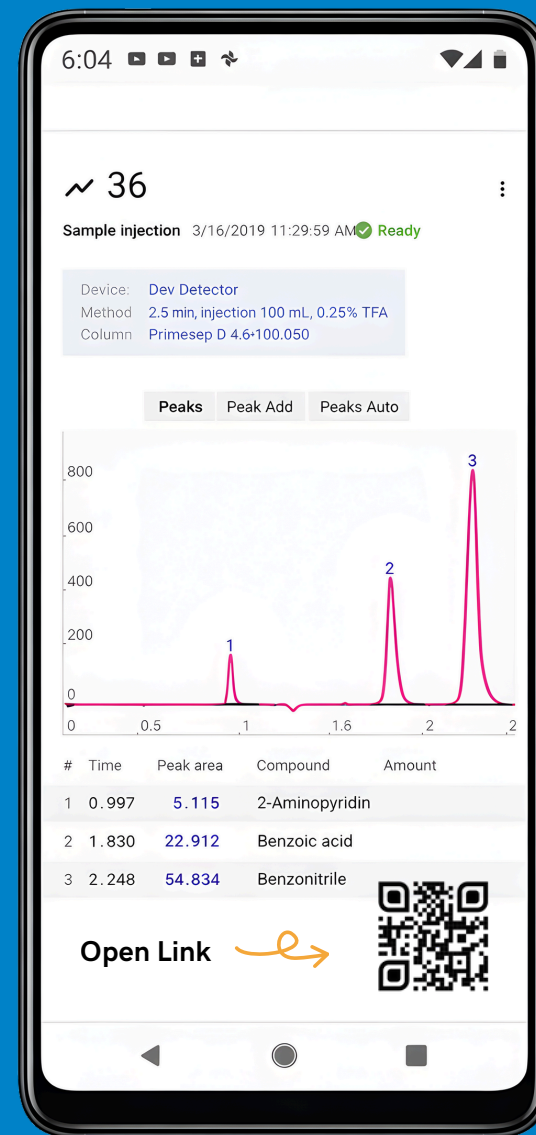
Ability to share data and methods with colleagues

#### Data Processing

Includes powerful tools for interpreting and visualizing results

#### Method Management

Remotely develop, store, apply and share analysis methods





# Method development

At SIELC Technologies, with over 20 years of expertise and more than 1,390 methods developed, we specialize in solving the toughest separation challenges for polar, hydrophobic, multicharged, and other complex compounds.

Our FREE method development service is designed to help you achieve optimal separation, no matter how difficult your analysis may be.

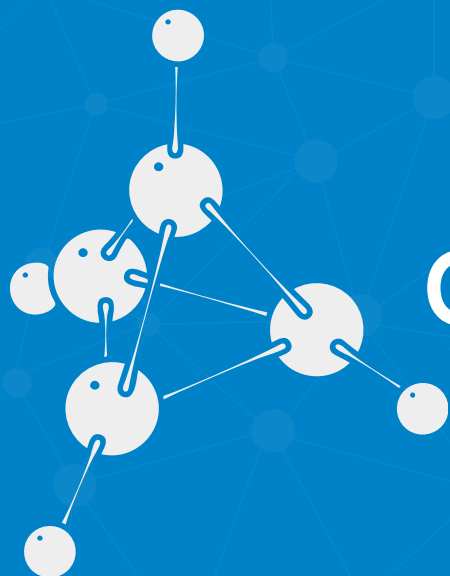
## How It Works:

1. Tell Us About Your Sample – Share the details of your analytes and any specific separation issues you're facing.
2. We Develop a Tailored Method – Leveraging our expertise and proprietary columns, we design a custom method to address your unique requirements.
3. Achieve Consistent, High-Quality Results – With your new method in hand, you'll experience reliable separations you can trust every time.

## Ready to Get Started?

Simply fill out the form to start your free method development. We're here to help you achieve the best results.





# Contact Us

## For Product Information

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