

The ProSIALH - a Revolutionary Automated Liquid Handler



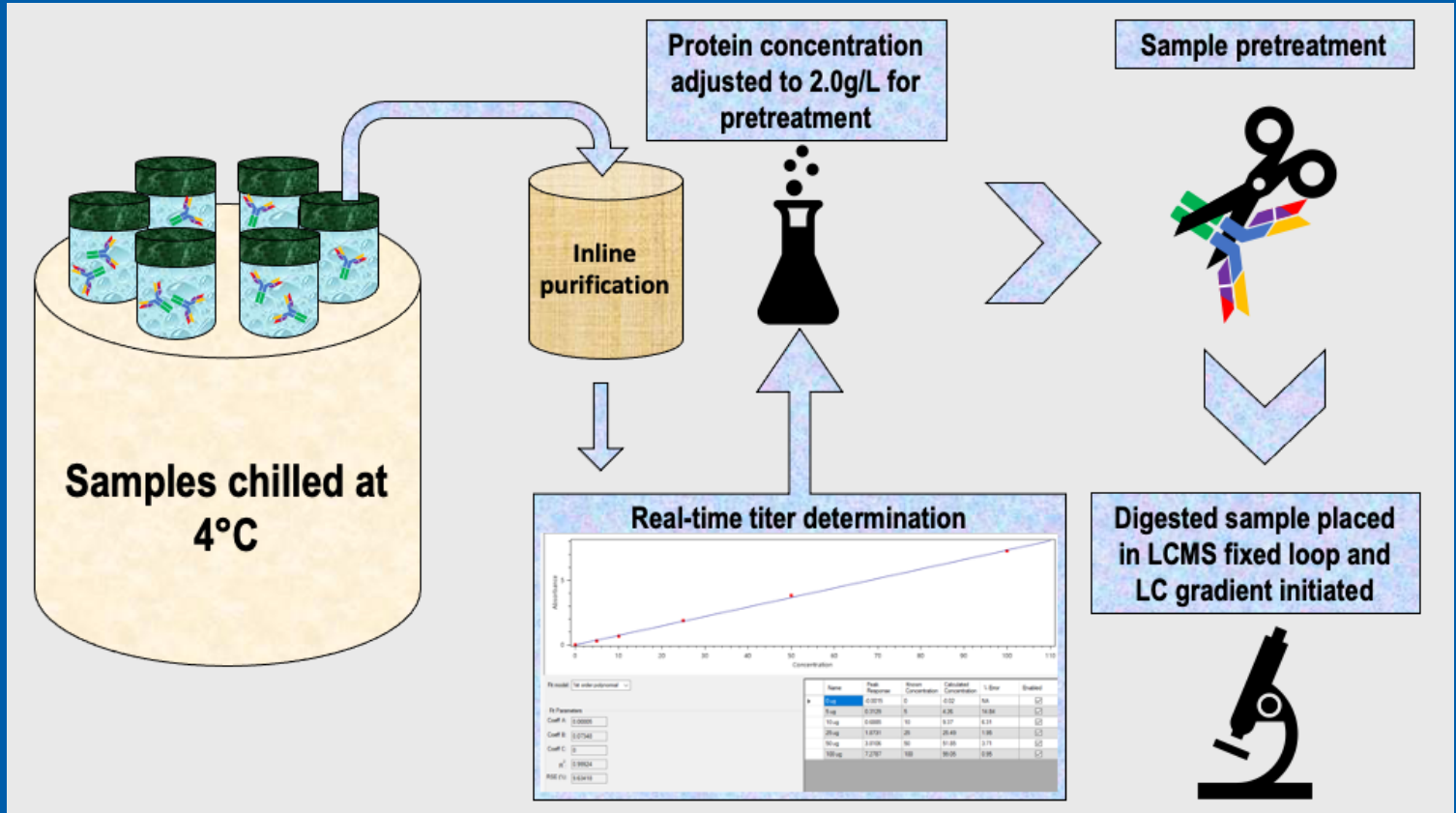
**Instrument
without cover**

**Instrument
with cover**

Advantages of the ProSIALH over Pipetting Robots

- 2-in-1 automation with live titer adjustments before digestion
- Absolutely no pipette tips or well plates needed
- Injection into LCMS is robust, requires no intervention and has no moving parts
- Real-time data processing – digested samples never left sitting in well plates
- Compatible with any type of LC-MS (Agilent, Thermo, Waters, etc.)
- No volume verifications by lab personnel; verification completed on annual PM
- Upgradable to a Process Analytical Technology (PAT) with the same methods

ProSIALH Peptide Mapper



Peptide mapping sample flow path for Bioreactor.

FIAlab's ALH connects automated titer directly with sample pretreatment.

The ProSIALH is a sampling and pretreatment solution that automates bioreactor peptide or glycan monitoring for the biopharmaceutical community. This technology helps reduce overheads, saves time, and cuts plastic usage.

SIAsoft Data Analysis

FIAlab's flexible software, SIAsoft, can accommodate multiple parameter changes to satisfy rapidly evolving fields.

Seamless and Intuitive Calibrations

The screenshot displays the SIAsoft software interface. The top window shows a chromatogram with peaks labeled at 0 ug, 5 ug, 10 ug, 25 ug, 50 ug, and 100 ug. The y-axis is Absorbance (0 to 1.2) and the x-axis is Time (sec) (100 to 1600). The bottom window shows a calibration curve with Absorbance on the y-axis (0 to 5) and Concentration on the x-axis (0 to 110). Below the calibration curve, the fit model is set to '1st order polynomial'. The fit parameters are:

- Coeff A: 0.00471
- Coeff B: 0.07341
- Coeff C: 0
- R²: 0.99930
- RSE (%): 9.19142

The calibration data table is as follows:

Name	Peak Response	Known Concentration	Calculated Concentration	% Error	Enabled
0 ug	0.0035	0	-0.02	NA	<input checked="" type="checkbox"/>
5 ug	0.3199	5	4.29	14.12	<input checked="" type="checkbox"/>
10 ug	0.6940	10	9.39	6.10	<input checked="" type="checkbox"/>
25 ug	1.8739	25	25.46	1.85	<input checked="" type="checkbox"/>
50 ug	3.8055	50	51.78	3.55	<input checked="" type="checkbox"/>
100 ug	7.2787	100	99.09	0.91	<input checked="" type="checkbox"/>

Calibration data of bovine IgG (SigmaAldrich PN I9640) measured off a ProA column at 280 nm using the ThermoFisher POROS™ resin

Contact us about the ProSIALH Liquid Handler



A complete list of specifications for FIA Lab's ProSIALH is available by scanning the QR code above or visiting our website.

Automates the most complex pre-treatment procedures.


Provides unified, simultaneous and uninterrupted flow.

Preconcentrate low titer samples.

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