



Inscinstech

■ Protein Purification System

Unique AutoPreS



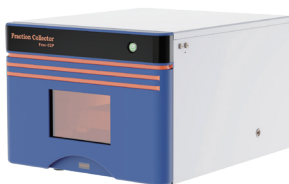
Product Introduction

Unique AutoPreS is a compact modular single- pump protein chromatography system, which can be used for fast purification of target products such as protein, nucleic acid, vaccine- grade polysaccharide, etc. from microgram to gram.

Unique AutoPreS selects the core components of well- known European and American manufacturers, with stable performance and high precision; the parts in contact with the sample are all biologically inert materials and have good bio compatibility.

Unique CDSsystem chromatography workstation is a chromatography data management system with powerful functions, advanced performance and high stability. It integrates the functions of instrument control, method management, data analysis, standard curve, report editing, user authority management, audit tracking, digital signature, network database, etc., which meets the related regulatory requirements of FDA 21 CFR Part 11/GLP/ GMP, and meets the requirements of pharmaceutical industry on data traceability and security.

Fraction collector



Frac- 02P Closed Fraction Collector

- Closed design reduces sample pollution.
- Can be stacked to save space.
- High operating speed, low vibration noise, and reduced sample loss.
- Unique closed-loop control technology ensures high positioning accuracy.



Frac- 02C Temperature Controlled Fraction Collector

- Closed design reduces sample pollution.
- Independent refrigeration and temperature control, with a range of 6-20°C and an accuracy of $\pm 1.5^{\circ}\text{C}$.
- Unique closed-loop control technology ensures high positioning accuracy.
- Effectively avoiding the inactivation or degradation of unstable samples.
- High operating speed with low vibration and noise, minimizing sample loss.

Application

Nucleic Acid

Vaccine

Polysaccharide

Blood Products

Peptide

Antibody

Recombinant Protein

Virus



Standard Configuration

Product Name	Technical Parameters
Unique AutoPreS Infusion Pump	Unique AutoPre15S Single pump system Flowrate range: 0.001- 15 ml/min Pressure: 0-27.5 MPa (4000 psi) Flowrate accuracy: $\pm 1.5\%$ Flowrate precision: $RSD \leq 0.5\%$ Gradient type: linear, equal, step gradient
Automatic Sampling Valve	Three-position seven-port valve, which can be reverse-controlled by software, supports quantitative sampling supports load, Inject, waste functions
Fixed Wavelength Detector	LED, fixed single wavelength, service life ≥ 8000 hours Detection wavelength: 280 nm Measurement Range: -6 to +6 AU (Absorbance Units) Linearity: $\pm 2\%$ within 0 to 2 AU
Temperature Detector	Reading range: 0- 100°C Temperature accuracy: $\pm 1^\circ\text{C}$ (5-45°C) Temperature compensation for conductivity and pH
Conductivity Detector	Conductivity reading range: 0.001 mS/cm-999.9 mS/cm Conductance accuracy: $\pm 2\%$, real-time automatic reading Flow cell volume: 20μl with btemperature compensation
Back Pressure Valve Module	20 psi (2ml/min)
Inline Filter Module	20 μm titanium alloy filter
Dynamic Mixer	Mixing chamber volume: 0.6ml/2ml
Column Holder	2 PCS
Start-up Package	Start- up package (including pipelines, connectors, maintenance tools, manuals, USB Key, etc.)
Control System	Unique CDSsystem chromatography software(Without Computer)

Optional Configuration

Product Name	Technical Parameters
pH Detector	Detection range: 0-14, accuracy: $\pm 0.1@2-12$ pH Including temperature compensation
Bubble Sensor	Monitor sample loading and air bubbles in the system
UV Detector	L2: fixed dual wavelength, detection range 280 nm and 260 nm DAD402 variable dual wavelength, detection range 200-400 nm, full- spectrum direct reading, can detect two arbitrary wavelengths at the same time
Outlet Valve	Two channels, 1 channel for large volume sample collection, 1 channel for waste liquid outlet
Fraction Collection	Frac-01 supports 1-50ml sample collection, and comes standard with a collection rack (96-well plates or centrifuge tubes and test tubes of different specifications can be selected) Frac- 02 supports 1-50ml sample collection, and comes standard with two collection racks (96-well plates or centrifuge tubes and test tubes of different specifications can be selected)
Column Valve	Single column valve, Up flow/ Down flow/Bypass

B2BIO Inc. (Exclusive distributor in Korea)

+82-2-6409-9338

www.b2bio.co.kr

info@b2bio.co.kr

521-57, Buheung-ro, Gwangjeok-myeon, Yangju-si, Gyeonggi-do, Korea 11423



Website



Wechat