

PPC-3 125/3 100

Protein Purification Chromatography



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

FPLC (Fast Protein Liquid Chromatography) on a minimum footprint: PPC-FPLC systems combine flexibility and reliability. The biocompatible/metal free PPC-FPLC is the perfect choice for your protein purification task.

PPC systems have different flow rate/pressure specifications, With flow rates up to 25 ml/min, PPC-3125 system is designed for media screening and method optimization. PPC-3100 system, with flow rates up to 100 ml/min, is designed for scaling up to larger columns.

►► Features and Benefits:

- Dual Piston pump, Provides continuous and accurate flow rates, to give reproducible isocratic, Binary or gradient elutions.
- Wetted material: Biocompatibility
- DAD UV detector, Provides real-time measurements of absorbance over the UV and visible range, from 200nm up to 800nm, the UV monitor has a Full-spectrum direct reading mode that allows monitoring of up to three wavelengths simultaneously.
- Unique Fix wavelength detector : use the Led lamp, The life of the lamp exceeds 8000 hours
- the pH and conductivity detectors Integrated into the system
- Customizable system that is easy to upgrade as your research needs develop
- Unique CDS system software provides simple, intuitive, and flexible preprogrammed method templates and total system control to simplify your job, Meet the requirements of FDA CFR21 Part 11.

►► Specifications:

►► Pump:	PPC-3125	PPC-3100
Flow Rate:	Binary gradient biological inert infusion pump	
Range:	0.001-25.000 ml/min	0.001-100.000 ml/min
Accuracy:	1.2%	1.2%
Precision:	0.5%	0.5%
Pressure range:	0-27.5Mpa	0-10Mpa
►► Sampling Valve:		
Auto Inject Valve :	Load/Inject/Waste	
Sample :	1ml	
►► UV Detector:		
	280nm Fix Wavelength Detector	
Life :	>8000Hr	
Noise :	$\pm 2 \times 10^{-5}$ Abs	
Optical path length :	2nm (standard)	

▶▶ DAD Detector:	
	up to 800nm
Noise :	$\pm 1 \times 10^{-4}$ Abs
Optical path length :	2mm (standard)
▶▶ Conductivity Detector:	
Range :	0.000-999.99 mS/cm
Accuracy :	± 0.02 mS/cm or $\pm 2\%$
▶▶ pH Detector:	
Range :	0-14
Accuracy :	± 0.1 pH (in the range of 2-12)
Flow cell volume :	76ul

Options	
AirS01	Air sensor
CPV02RX	Position valve, up flow/down flow/bypass
MSV04	Buffer valve, 4 inlets for 1/8 OD tubing
MSV10	Buffer Valve, 10 inlets for 1/8
DAD402	200-400nm, DAD detector, 2 wavelengths simultaneously
DAD604	200-600nm, DAD detector, 4 wavelengths simultaneously
DAD804	200-800nm, DAD detector, 4 wavelengths simultaneously
OV02	Outlet valve, one for frac, one for waste
OV10	Outlet valve, nine for frac, one for waste
Frac-02	Fraction collector, 2 racks 1. 3 x 7, 30mm OD tubing, Number of fractions: 21 2. 5 x 12, 16mm OD tubing, Number of fractions: 60 3. 6 x 15, 13mm OD tubing, Number of fractions: 90

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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