

SFC PR-4088

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Калининград (4012)72-03-81	Омск (3812)21-46-40	Сыктывкар (8212)25-95-17
Ангарск (3955)60-70-56	Калуга (4842)92-23-67	Орел (4862)44-53-42	Тамбов (4752)50-40-97
Архангельск (8182)63-90-72	Кемерово (3842)65-04-62	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Астрахань (8512)99-46-04	Киров (8332)68-02-04	Пенза (8412)22-31-16	Тольятти (8482)63-91-07
Барнаул (3852)73-04-60	Коломна (4966)23-41-49	Петрозаводск (8142)55-98-37	Томск (3822)98-41-53
Белгород (4722)40-23-64	Кострома (4942)77-07-48	Псков (8112)59-10-37	Тула (4872)33-79-87
Благовещенск (4162)22-76-07	Краснодар (861)203-40-90	Пермь (342)205-81-47	Тюмень (3452)66-21-18
Брянск (4832)59-03-52	Красноярск (391)204-63-61	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
Владивосток (423)249-28-31	Курск (4712)77-13-04	Рязань (4912)46-61-64	Улан-Удэ (3012)59-97-51
Владикавказ (8672)28-90-48	Курган (3522)50-90-47	Самара (846)206-03-16	Уфа (347)229-48-12
Владимир (4922)49-43-18	Липецк (4742)52-20-81	Саранск (8342)22-96-24	Хабаровск (4212)92-98-04
Волгоград (844)278-03-48	Магнитогорск (3519)55-03-13	Санкт-Петербург (812)309-46-40	Чебоксары (8352)28-53-07
Вологда (8172)26-41-59	Москва (495)268-04-70	Саратов (845)249-38-78	Челябинск (351)202-03-61
Воронеж (473)204-51-73	Мурманск (8152)59-64-93	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Екатеринбург (343)384-55-89	Набережные Челны (8552)20-53-41	Симферополь (3652)67-13-56	Чита (3022)38-34-83
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Казань (843)206-01-48	Новосибирск (383)227-86-73	Сургут (3462)77-98-35	
Россия +7(495)268-04-70	Киргизия +996(312)-96-26-47	Казахстан +7(7172)727-132	

Preparative SFC

PR-4088 Prep SFC Features

The PR-4088 Prep SFC system is designed for large scale throughput with 21mm or 30mm columns to maximum sample purification. This system is versatile enough to be used for smaller scale prep using 10mm columns. Interchangeable modifier pumps can be configured to give highly accurate modifier compositions. ChromNAV provides complete integrated control for flow rate, temperature, sample injection and fractionation.



Large scale preparative SFC system

Fast CO₂ Delivery

Preparative scale CO₂ delivery of up to 150mL/min, or up to 200mL when combined with a modifier co-solvent.

Maximum Sample Preparation

Using columns from 10 to 30 mm ID, the PR-4088 Prep System can be used for separation and purification from 100mg to 100g per day of sample material. High productivity with stacked injections.

Sample separation for Chiral & Achiral

PR-4088 Prep System is excellent for both Chiral and Achiral sample preparation.

Powerful SFC Management Tool

Using ChromNAV software the PR-4088 Prep can be used with a wide variety of fraction collection methods, including time window, slope and/or threshold, to achieve high throughput stack injection.

Complete Audit trail to monitor campaigns

ChromNAV controls your campaign; monitors the individual chromatograms, complete sets of stacked injections, pressure and temperature profiles throughout the system.

High-Throughput Sample

Several fraction collection regimes for use with larger sample bottles for larger scale purification.

Accurate Chromatography with Large Volume Injections

PR-4088 uses the Patented DLI (Dual Line Injection) to ensure excellent chromatography when making large volume injections.

8 Fraction Sample Collection Unit

The PR-4088 fraction collection unit includes the patented dynamic back pressure regulator, 8 individual cyclone separators with a separate waste line. Fraction control allow sequential or stacked injection, with the option to collect the fractions between peaks to ensure there is no sample loss. Recoveries are typically in the region 95% or better with negligible cross contamination between fractions.

Widest Range of Detection Schemes

The PR-4088 SFC System can be used with a single detector or combination of detectors to control fractionation, including Mass Spec, UV-Vis, PDA and chiral (circular dichroism). And for applications requiring the utmost sensitivity, JASCO has designed the first high pressure flow cell designed for the FP-4020 fluorescence detectors making them compatible with SFC.

Benefits of using Super Critical Fluid Systems for Separation

High Solubility & Low Viscosity

Greater solubility and lower viscosity than liquid phase HPLC for faster column equilibration, faster separations and higher productivity.

Wide Molecular Structure Coverage

Applicable to a wide range of molecular structures with a wide range of polarities from strongly hydrophobic to strongly hydrophilic.

Environment-Friendly

SFC uses 'green' separation solvents – generally CO₂ with alcoholic modifiers – which are much greener than other solvents generally used in HPLC.

Cost-Effective

Dramatic reduction in solvent costs for both purchase and disposal.

Simple Operation

SFC easily scales-up from analytical to preparative, method transfer is simple and robust for both chiral and achiral sample purification.

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