

# CombiFlash® EZ Prep

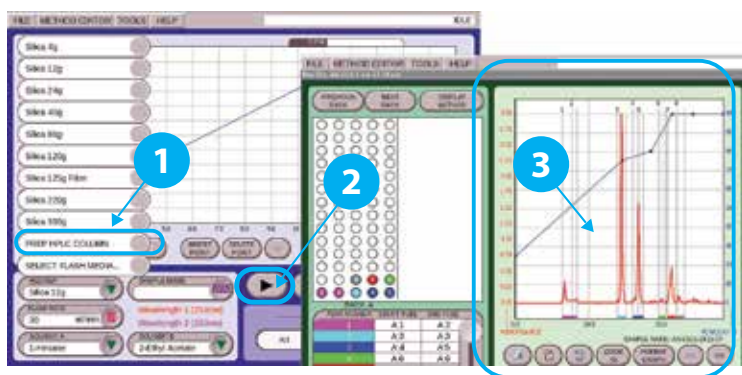
## Dual Function Purification System

The CombiFlash EZ Prep system from Teledyne ISCO is a dual function purification system that enables the user to perform both Flash and Preparative (Prep) purifications on the same instrument. Eliminating the need for two separate systems, the EZ Prep system provides the flexibility to seamlessly switch between Flash and Prep HPLC modes without compromising performance.

*Streamline Flash and Preparative HPLC chromatography with a compact, easy-to-operate unit.*

The intuitive user interface of the PeakTrak software minimizes any learning curve, enabling the user to efficiently complete their purification, saving time and solvent consumption. The simple, single screen control of critical operating parameters and detection modes is finally available in Prep HPLC. PeakTrak software is easy to use, yet powerful enough to offer the control needed to purify compounds. The same PeakTrak software platform for both Flash and Prep HPLC allows anyone, regardless of their Prep HPLC experience, to easily complete a purification.

It's ideal for Flash users who occasionally need the resolving power provided by Prep HPLC and who need the ability to separate a wide range of diverse sample amounts. Meeting varying purity requirements using multiple detection options is something the EZ Prep is well suited for. These multiple detection options include: UV, UV-Vis, ELSD, and MS.



### It's easy!

- 1 Select preparative HPLC column from the drop-down menu. The system automatically switches from Flash to HPLC Prep Mode.
- 2 Press play.
- 3 Review results.



**COMBIFlash® EZ PREP**

- **Simplicity**  
Simplest transition of any Flash/Prep HPLC system—switch to high-pressure preparative chromatography in just two clicks
- **Small Footprint**  
Highly compact design occupies minimal lab space
- **Compatibility**  
Runs Preparative HPLC columns packed with particles down to 5  $\mu$ m for maximum efficiency

## Features

- Up to 3,500 psi (240 bar) and 200 mL/min
- Run Prep HPLC columns up to 50 mm in diameter (including 5  $\mu$ m particle diameter)
- Flash purification for 10 milligram to 33 grams followed by final compound purification on high performance columns
- UV, UV-Vis, ELSD and MS detection options available
- Switch between normal and reverse phase solvents automatically, without user interaction

## Specifications: EZ Prep

Flow Rate Range:	5–200 mL/min (Flash & Prep)	Number of Solvents:	Binary gradient between any two of four solvents
Pump Prime:	Self-priming	Programmable Gradients:	Linear, step, isocratic
Maximum Pressure (Flash Operation):	200 psi (13.8 bar)	Sample Introduction (Flash):	Solid or liquid load
Maximum Pressure (High Pressure Operation):	Up to 3500 psi (240 bar)	Sample Introduction (Prep):	Variable volume liquid load (5mL loop standard)
UV and UV Vis Detection:	UV 200–400 nm standard, UV vis 200–800 nm optional	User Interface:	10.4 in (26.4 cm) touchscreen
ELSD Detection:	Built-in detector compatible with either UV or UV-Vis	Fraction Collector:	Internal
Mass Spectrometer:	Three models with mass ranges of 10–1200 and 10–2000 Da	Dimensions (H x W x D):	26.8 x 16.9 x 17 in (68 x 43 x 43.2 cm)

## Ordering Information

68-5230-025	CombiFlash EZ Prep Chromatography System with 200–400 nm UV variable wavelength detector
68-5230-026	CombiFlash EZ Prep Chromatography System with 200–800 nm UV-Vis variable wavelength detector
68-5230-027	CombiFlash EZ Prep Chromatography System with 200–400 nm UV variable wavelength and ELS detectors
68-5230-028	CombiFlash EZ Prep Chromatography System with 200–800 nm UV-Vis variable wavelength and ELS detectors

## PurIon Mass Spectrometer Upgrade Options

68-5237-050	CombiFlash PurIon Mass Spectrometer and Fluid Interface. Basic MS module with maximum mass of 1200 Dalton. User selectable positive or negative ionization. ESI or APCI probe standard, to be defined on order.
68-5237-083	CombiFlash PurIon Mass Spectrometer and Fluid Interface. Mass spec “S” with probe and fluid interface, MS model S module with maximum mass of 1200 Dalton, system auto-switches between positive and negative ionization. ESI or APCI probe standard, to be defined on order.
68-5237-084	CombiFlash PurIon Mass Spectrometer and Fluid Interface. Mass Spec “L” with probe and fluid interface. MS model L module with maximum mass of 2000 Dalton. System auto switches between positive and negative ionization. ESI or APCI probe standard, to be defined on order.

## Preparative Injector Valve Options

29-9125-051	1 mL injection loop
29-9125-050	5 mL injection loop (standard)
29-9125-052	10 mL injection loop
29-9125-060	Injector fill port for use with 2” long 22 gauge blunt tip needle
60-5238-240	Injector fill port female luer adapter (standard)