Isolera™ Prime

Sets the Standard in Value-Priced Flash Purification Systems

Isolera™ Prime is an entry level flexible flash system with a range of key features and cost-saving process benefits. This system is upgradeable and grows with the needs of laboratories and universities where value is especially important.

Isolera™ Prime delivers more than just the basics. Together with Biotage flash cartridges, including the new high performance Biotage® SNAP Ultra and value-priced Biotage ZIP® cartridges, this system meets the demands of modern laboratories around the world.

Included is the patented TLC-to-Gradient feature that eliminates method development guesswork, and a solvent saving gradient optimization function that can reduce solvent use up to 60 %.

Performance

Flow rates up to 100 mL/min enable fast purification scale-up (Figure 12). The software is designed so that any completed method can be recalled for later use with different cartridges, racks and collection parameters, just with a few simple clicks.

Flexibility

Isolera Prime can be upgraded and customized to any laboratory's requirements with a range of accessories, including external dry-loading vessels, leak detector, fraction racks and cartridge holders.

Note that the Isolera Spektra software upgrade is not available on Isolera Prime.

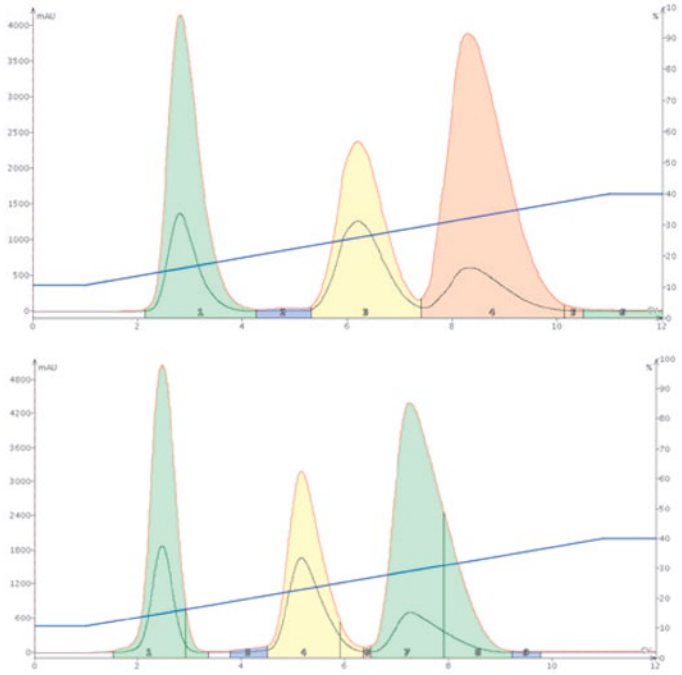

Figure 12. Isolera™ Prime provides scale-up capability with just a few clicks. In this example, a Biotage ZIP® 5 g cartridge was used to purify a 150 mg sample. This separation was then scaled 24-fold to a Biotage ZIP® 120 g cartridge by simply loading the method from the 5 g cartridge result file and changing the cartridge size; the flow rate adjusts automatically with the new cartridge selection. Simply efficient.

Specifications

Solvent Delivery	Constant volume electric HPFC pump
Flow Rate	5–100 mL/min
Pressure Limit	145 psi (10 bar)
UV Detection	Choice of variable dual-wavelength (200–400 nm) or fixed (254 nm) detector
Flow Cell Path Length	0.3 mm
UV Collection Modes	Single wavelength, Dual wavelength (variable UV)
Fractionation Modes	Volume, threshold, threshold with volume, low slope, medium slope, custom slope
Collection Vessels	Test tubes (13, 16, 18 and 25 mm) Bottles (120, 240 and 480 mL)
Power	100–240 VAC, 50/60 Hz, 4.0 A
System Control and Data Management	On-board computer with 10.4" diagonal touch screen interface
Dimensions (W x H x D)	355 mm x 596 mm x 497 mm (14 in. x 23.5 in. x 9.6 in.)
Weight	30 kg (66 lbs.)
Certifications	CE, cTÜVus

Advantages

- Gradient Optimization can reduce solvent use up to 60%
- Upgradeable and flexible
- 145 psi (10 bar) pressure capability supports both normal-phase and reversed-phase purification
- Patented TLC-to-Gradient feature eliminates method development guesswork and re-runs
- Two UV detector options to address different application needs
- Binary gradient flexibility