

Biotage® Selekt

5 Reasons to Selekt Biotage





Why Selekt Biotage?

Smaller Footprint, Increased Productivity

When purifying molecules, maximizing your efficiency is critical to your daily work. For us at Biotage, helping you to make the most of your time is of paramount importance. That is why we have designed a lean and compact automated flash system with two column channels, so you can prepare channel two while channel one is running. You can also easily switch between normal and reverse phase, with the system automatically flushing the solvent lines for you.

We have built the system around flexibility: you can mount the columns on the side of the system or on the front, so you can fit not one, not two, but three Biotage® Selekt systems in a standard fume hood to make the most of your space and maximize your productivity.

No waste of space, no waste of time and no loss of sample, as we pause fraction collection when moving from one tube to next.

It's Green!

Combining the Selekt system with our new Biotage® Sfär columns minimizes waste and makes the whole process significantly greener: spherical silica is the new standard in Biotage® Sfär and that means higher surface area, higher loading capacity versus traditional columns, lower back pressure and the possibility to run the same purifications with a smaller column and hence lower solvent consumption. That, combined with the pressure controlled 2CV Equilibration, allow you to run as fast as possible, saving both time and solvents. Why not give it a try?

Bigger Touchscreen, More Fun

What you see on the instrument's screen is not just a facelift of an older system, we have completely redesigned our software; creating a beautiful and functional graphical user interface presented on a large touchscreen (15"). The interface enables programing even the most complex purification to become simplicity itself.

The 'all in one screen' display, and other intelligent integrated features like the QR (Quick Response) code reader and the RFID (Radio Frequency Identification) rack recognition, make every day operation easy, even for the infrequent user on a shared system.

Thanks to the progress bar you always know the status your purification and you can always zoom in to expand the window of interest, whether you want to have a closer look at fractionation, the gradient, UV spektra or gradient tables.

We also brought in some colors to make it more fun, so you'll enjoy doing purifications with us!



Finer Control, Better Results

When purifications are tough, you need chromatography that is fast and reliable. The Selekt system utilizes technology to simplify even the most advanced separation. You can create methods from single or multiple TLC plates, or from previous runs, and switch between column channels at a swipe of the finger. What could be easier than that? Choose your preferred Sfär column, or let the system predict the best one based on mass, scan the QR code and wait to get the best results ever.

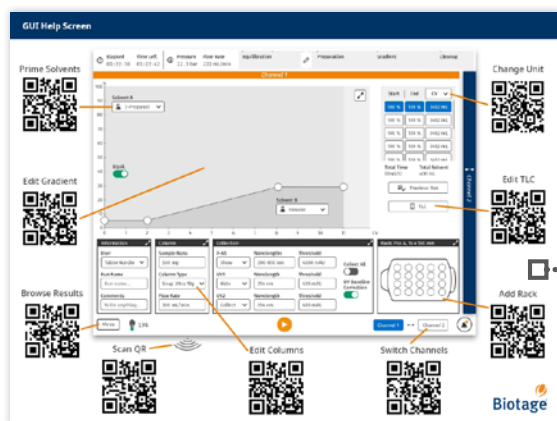
The system continuously monitors all UV signals, you can view them and analyze them independently during run.

The high pressure of 30 bar enables Selekt to use columns packed with high performance smaller silica particles. We are closing the gap towards preparative HPLC!

Amazing Reliability

Quality and reliability are key factors when we build our instruments. We only select robust, long life components and we stand ready to assist you with our service experience to keep your instrument running at the highest quality standard.

You will be able to rely on Biotage as your preferred partner in Flash Purification with the confidence that even the smallest component in our instruments will stand the test of time.



Online help

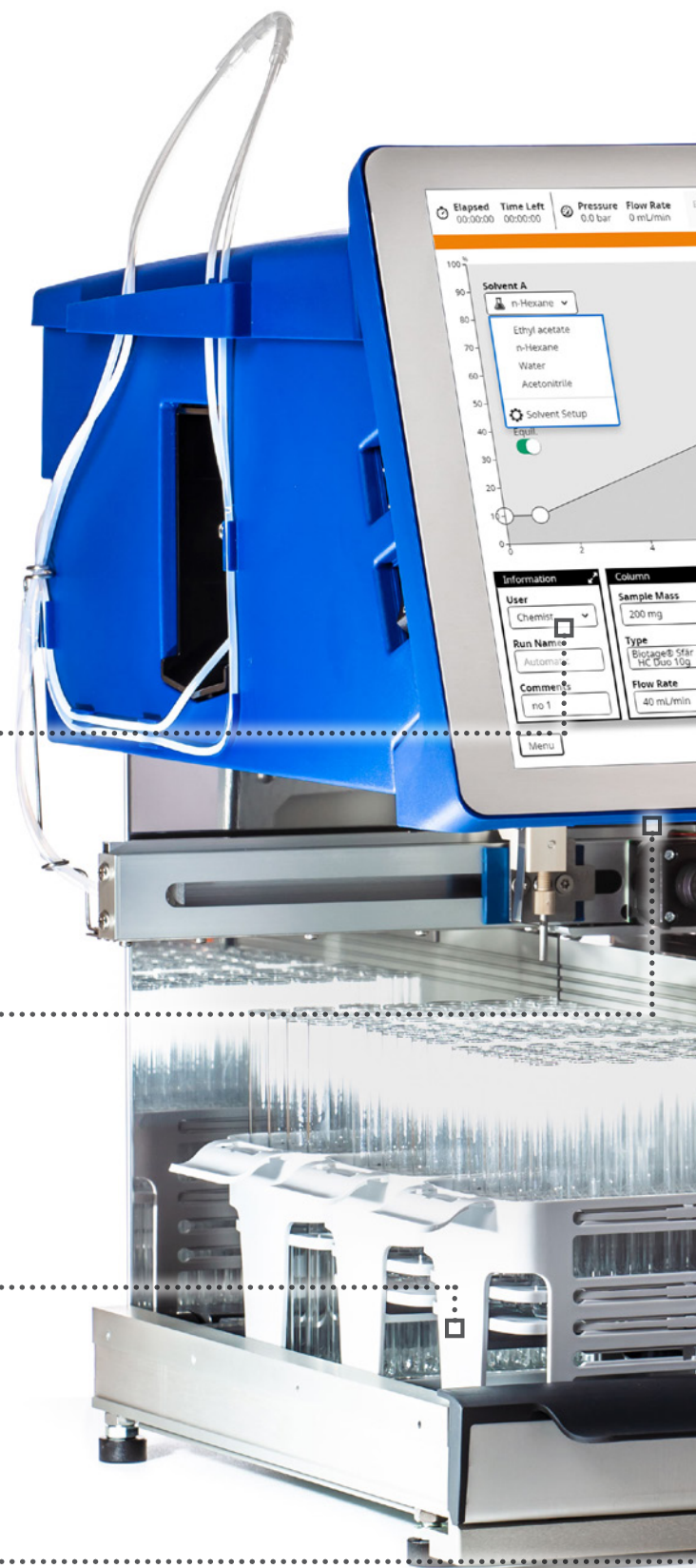
Spektra license

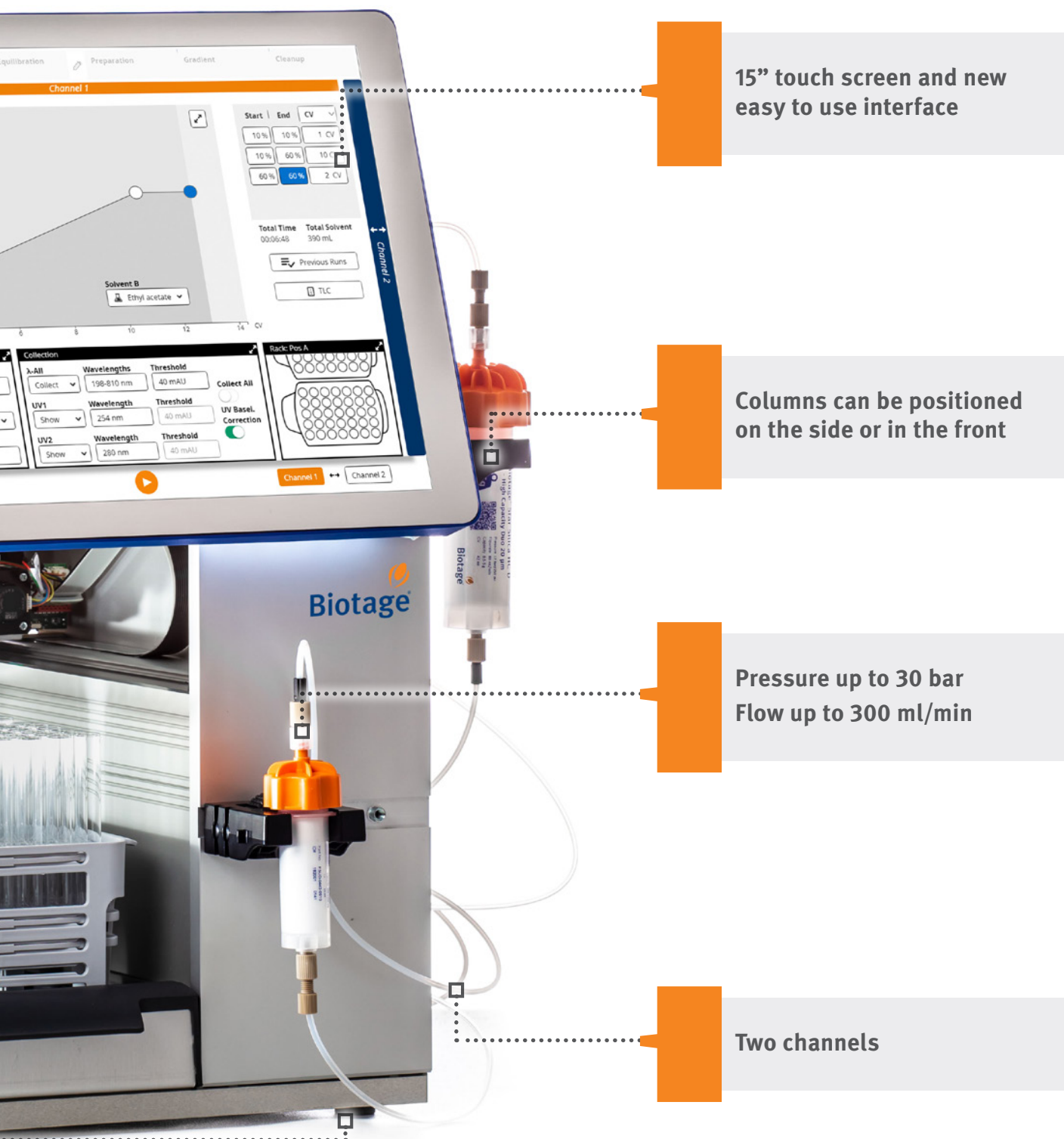
- » Baseline detection
- » Lambda-All

QR code reader for column identification

RFID enabled rack




Compact size <14"








Technical Specifications

General System Specifications

	Weight	23 kg (50 lbs.)
	Dimensions	Footprint: (W x D) 335 mm x 393 mm (13.2" x 15.5") Height: 545 mm (21.5")
	Interfaces	15.0" touch screen

Operational Performance Specifications

	Column Channels	Two
	Flow Rate Range	1–300 mL/min.
	Pressure Range	0–30 bar (0–3,000 kPa; 0–435 psi)

For full specifications see Biotage® Selekt Technical Specifications (PPS494).



Ordering Information

Part Number	Description
Instruments	
SEL-2SV	Biotage® Selekt, Two Channel, Single Collection Bed, UV Detector
SEL-2SW	Biotage® Selekt, Two Channel, Single Collection Bed, UV-VIS Detector
SEL-2EV	Biotage® Selekt, Two Channel, Extended Collection Bed, UV Detector
SEL-2EW	Biotage® Selekt, Two Channel, Extended Collection Bed, UV-VIS Detector
Software	
SEL-SPK	Biotage® Selekt, Spektra Software Package
Accessories	
416427SP	Column Holder Sfär 5 g w. clip
415338SP	Column Holder Sfär 5/10 g
415339SP	Column Holder Sfär 25 g
415343SP	Column Holder Sfär 50/100 g
415337SP	Column Holder Sfär 200/350 g, 1 pcs.
416301SP	13 x 100 mm RFID Rack (incl 3 pcs.)
416302SP	16 x 100 mm RFID Rack (incl 3 pcs.)
416303SP	16 x 150 mm RFID Rack (incl 3 pcs.)
416305SP	18 x 150 mm RFID Rack (incl 3 pcs.)
416306SP	25 x 150 mm RFID Rack (incl 3 pcs.)
416307SP	120 mL flask RFID Rack (incl 3 pcs.)
416230SP	240 mL flask RFID Rack (holds 10 flasks)
416225SP	480 mL flask RFID Rack (holds 8 flasks)
416321SP	Biotage® Selekt Secondary Solvent Containment
416410SP	Biotage® Selekt Instrument Tray with Solvent Sensor



Your Complete Partner for Effective Chemistry

Biotage is a worldwide supplier of instruments and accessories designed to facilitate the work of laboratory and process chemists. With our deep knowledge of the industry, academic contacts and in-house R&D teams, we can deliver the best solutions to your challenges. We take great pride in our flexibility and ability to meet our customer's individual needs. With strong foundations in both analytical, organic and process chemistry, we can offer the widest range of solutions available on the market.

EUROPE

Main Office: +46 18 565900
Toll Free: +800 18 565710
Fax: +46 18 591922
Order Tel: +46 18 565710
Order Fax: +46 18 565705
order@biotage.com
Support Tel: +46 18 56 59 11
Support Fax: + 46 18 56 57 11
eu-1-pointsupport@biotage.com

NORTH & LATIN AMERICA

Main Office: +1 704 654 4900
Toll Free: +1 800 446 4752
Fax: +1 704 654 4917
Order Tel: +1 704 654 4900
Order Fax: +1 434 296 8217
ordermailbox@biotage.com
Support Tel: +1 800 446 4752
Outside US: +1 704 654 4900
us-1-pointsupport@biotage.com

JAPAN

Tel: +81 3 5627 3123
Fax: +81 3 5627 3121
jp_order@biotage.com
jp-1-pointsupport@biotage.com

CHINA

Tel: +86 21 68162810
Fax: +86 21 68162829
cn_order@biotage.com
cn-1-pointsupport@biotage.com

KOREA

Tel: + 82 31 706 8500
Fax: + 82 31 706 8510
korea_info@biotage.com
kr-1-pointsupport@biotage.com

INDIA

Tel: +91 22 4005 3712
india@biotage.com

Distributors in other regions
are listed on www.biotage.com

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