

Biotage® Selekt Family

Your end-to-end flash purification solution

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Combine Biotage® Selekt
with Biotage® Sfär columns for
superior, cost-effective results.



Built for today. Ready for tomorrow.

Future-ready flash purification

At Biotage, everything starts with you – the scientist, innovator, problem-solver. Biotage® Selekt is your all-in-one platform for smarter flash purification, designed to save time, simplify workflows, and boost productivity. With intuitive automation, solvent-saving technology, and high-performance capabilities, it adapts to your evolving research needs so you can stay ahead.



Scan. Start. Walk away.

Scan the QR code on your Biotage® Sfär or Biotage® Rening column and Biotage® Selekt will automatically load the recommended method. Press start and let the system do the rest – no manual setup, no guesswork, no wasted time. Just load your sample and go.



Confidence in every run

With Biotage consumables – Biotage® Sfär and Biotage® Rening – you're investing in proven reliability and reproducibility. Combined with a system that works as hard as you do, they ensure simple, consistent purification – run after run.



Built-in sustainability

Biotage® Selekt is built with greener purifications in mind, helping you reduce environmental impact without compromising performance. Built in solvent-saving technology with simplified method optimization and high sample loading minimizes solvent waste generation, chemical use, and energy consumption.



Unrivalled lifespan

Built to last, Biotage® Selekt systems are engineered for long-term durability and consistent performance. The Biotage® Selekt 5-year warranty program helps minimize service interruptions while increasing productivity and lowering maintenance costs.

“We design technology that works as hard as chemists do, but feels effortless. The Selekt family brings together smart innovation and adaptability, so your lab is ready not just for today’s challenges, but for whatever comes next.”

Anders Warngren

Principal Software Engineer,
Biotage

For more than 40 years, Biotage has delivered innovation driven by real laboratory experience. Built by chemists, for chemists, and rooted in academia, our solutions are developed by expert teams with deep scientific and application knowledge, designed for the realities of everyday lab work. They combine smart innovation and adaptability, ready for today’s challenges and whatever comes next.



One platform. Total control.

Discover the Biotage® Selekt Family

Imagine complete confidence in every purification. The Biotage® Selekt solution puts you in control by combining intuitive software, precision hardware, and high-performance columns. The result? Faster, cleaner separations and a system that simplifies your daily work—freeing you to focus on the science, not the setup.



Biotage® Selekt

Speed, flexibility and scale that keep you ahead

The Biotage® Selekt system delivers high-performance flash purification for any lab. With up to 300 mL/min flow rate and 30 bar pressure, it offers the versatility to purify 1 mg up to hundreds of grams efficiently, reliably and with full control.

The fastest flash purification

Up to 30% faster than competing systems, the Biotage® Selekt family sets a new standard for productivity in flash purification. With high flow rates, and high-loading columns, Biotage® Selekt delivers pure compounds quickly and efficiently - so you spend less time waiting.

Total control with four solvent lines and dual column channels

Biotage® Selekt gives you the flexibility that most systems can't. Four solvent lines and two column channels let you assign orthogonal solvent systems and switch instantly between normal and reversed phase, enabling flexible, uninterrupted purification for any modality.

Columns for any chemistry

Combining Biotage® Selekt with Biotage® Sfär columns promises fewer limitations, less hassle, and one solution for your project – from small scale reactions to kilogram purifications. Choose from irregular, spherical and amino-functionalized silica, or from a variety of reversed-phase media.



For features and specifications, see page 16.



DISCOVER THE BIOTAGE® SELEKT FAMILY



Scan the QR code and load column parameters automatically

Biotage® Sfär flash columns

Maximum loading, minimal solvent use.
Sustainable savings.

Paired with high-performance Biotage® Sfär columns, your Biotage® Selekt system delivers advanced sample purification with the consistency, efficiency, and reliability your work demands.

- Choose high performance Biotage® Sfär HC for the highest loading capacity - less run time, less solvent, better resolution
- Two column designs balance sample loading options with cost per purification
- Purify mgs to tens of grams with columns ranging from 5 to 400 g



Combine Biotage® Sfär columns with functionalized media and your Biotage® Selekt system to expand your purification possibilities.

- Biotage® Sfär KP-Amino columns and TLC plates simplify challenging amine separations
- Biotage® Sfär C18 when reversed phase is a better fit
- Biotage® Sfär Bio C18 and C4 medias optimized for peptides and larger molecules



Scan to explore more



Biotage® Rening flash columns

Affordable flash purification for everyday use

Biotage® Rening is designed to address your day-to-day purification challenges – meeting your requirements without exceeding your budget.

- Pre-packed silica convenience
- Universal system compatibility
- Purify mgs to tens of grams with columns ranging from 5 to 300 g



Future-ready purification

Adaptable solutions for evolving laboratories

Purification made easy. The Biotage® Selekt family provides a modular, flexible approach to flash purification trusted by large pharma, contract research organizations, and academic institutions worldwide to get the job done. Evolving with your constantly changing workflows, offering a range of configurations, software features, and accessories all designed to meet the demands of your current and future projects.

“Selekt has completely changed how we approach purification. We started with the core system and added ELSD as our projects changed. The ability to upgrade without replacing the entire instrument saved us time and budget. I value how Selekt adapts as our needs change.”

Senior Research Chemist

+ SOFTWARE ADD-ONS



Biotage® Spektra – advanced purification capability

Enhances your detection, automates optimisation and streamlines analysis.



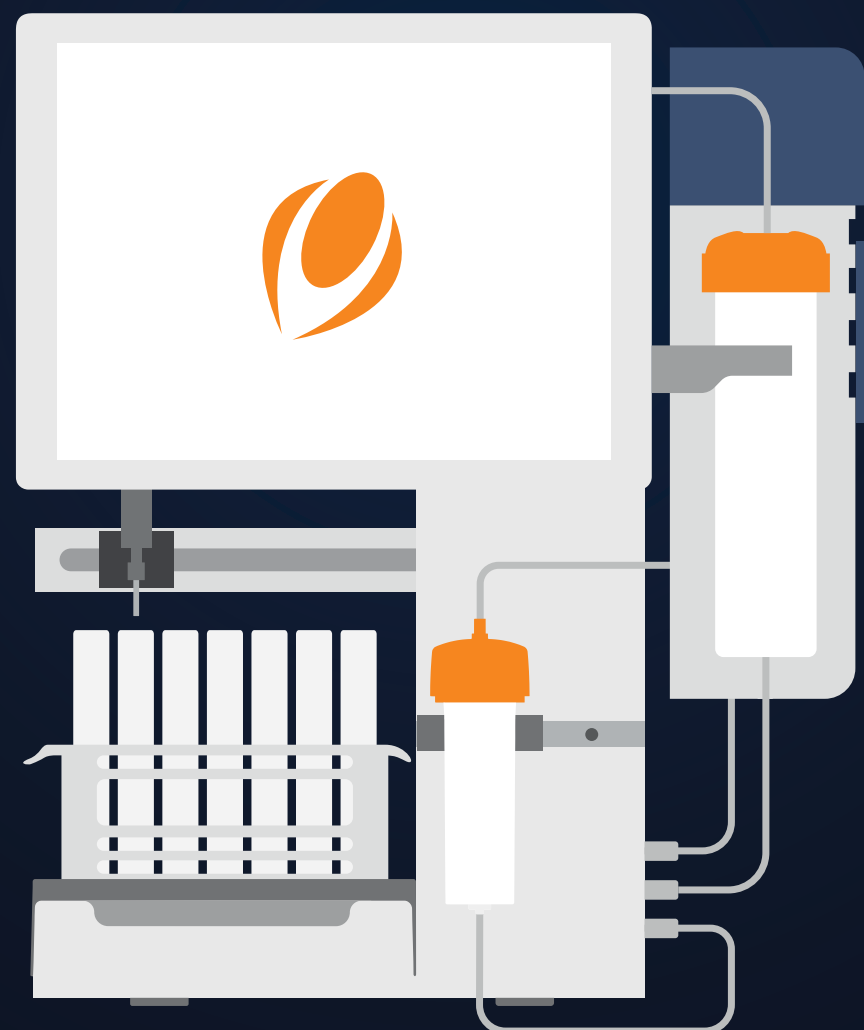
Biotage® Selekt remote access – work anywhere, anytime

Access your data and manage Biotage® Selekt systems seamlessly from any device.



Biotage® Selekt Kompass – consistency, convenience, compliance

Keep your methods consistent, precise and compliant - no detours, no surprises.



+ HARDWARE ADD-ONS



Biotage® Selekt ELSD – detect non-absorbing compounds

Modular, self cleaning and fully integrated evaporative light-scattering detection



Biotage® Liquid Level Sensor – confident solvent monitoring

Monitor any solvent at all times with the confidence that you won't run out or overfill.



Accessories – build the system you need

Consider extended fraction bed, leak detection tray, secondary solvent container, large column holder and more.

SOFTWARE ADD-ONS

Biotage® Spektra

Advanced purification capability for all compounds



Spektra software seamlessly integrates with your Biotage Selekt system to make detection, fractionation, method optimization and final analysis more reliable. Purification made smarter.

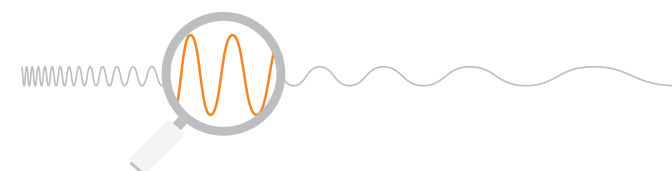
Scan all wavelengths – capture every compound

No more guessing where your compound absorbs. With Lambda-All, Spektra scans all wavelengths simultaneously. If it absorbs light, Biotage® Spektra detects it.



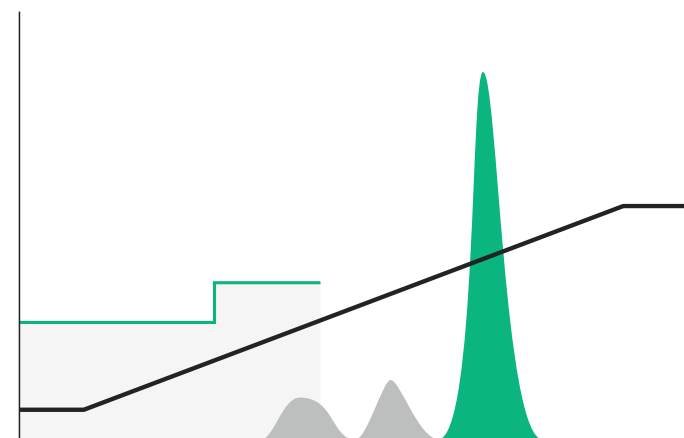
Wavelength focusing – see what others miss

Target narrow wavelength ranges to amplify weak absorbance signals and reveal buried peaks.



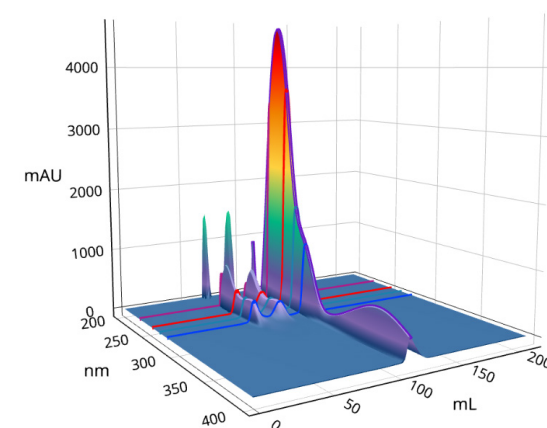
Gradient optimization - automated method conversions

Automatically convert your linear gradient purification to a more optimal step gradient. Improve resolution and loading capacity while decreasing time.



Real-time analysis - see more, decide faster

Chromatography deep dive with zoomable 2D and 3D spectral views. Decide fraction purity before the run ends.



● λ -All: 11691 mAU ● UV1: 3638 mAU
● UV2: 1147 mAU ● λ 1: 4621 mAU
● λ 2: 2169 mAU

SOFTWARE ADD-ONS

Biotage® Selekt remote access

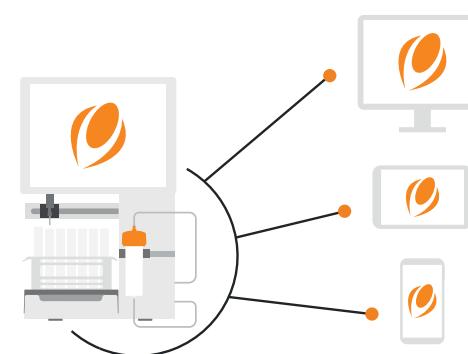
Secure, connected, and fully controlled



Biotage® Selekt gives you full control, visibility and access to data both on-site and remotely. With remote access, integrated monitoring API and security package, your system is safe, connected and easy to manage.

Biotage® Selekt remote control licence

Access your purification data anytime, anywhere, with any device.



Biotage® Selekt monitor API licence

Integrate Biotage® Selekt with your laboratory management software and monitor system status and availability in real time.

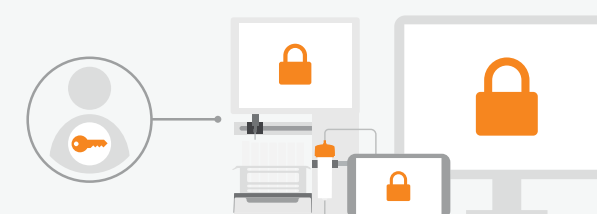


Biotage® Selekt encryption package

End-to-end encryption keeps you and your data secure when accessing the Biotage Selekt remotely.



- Create multiple, discrete users
- Restrict unauthorised access



- Lock the system from interference
- Users only view their own data



SOFTWARE ADD-ONS

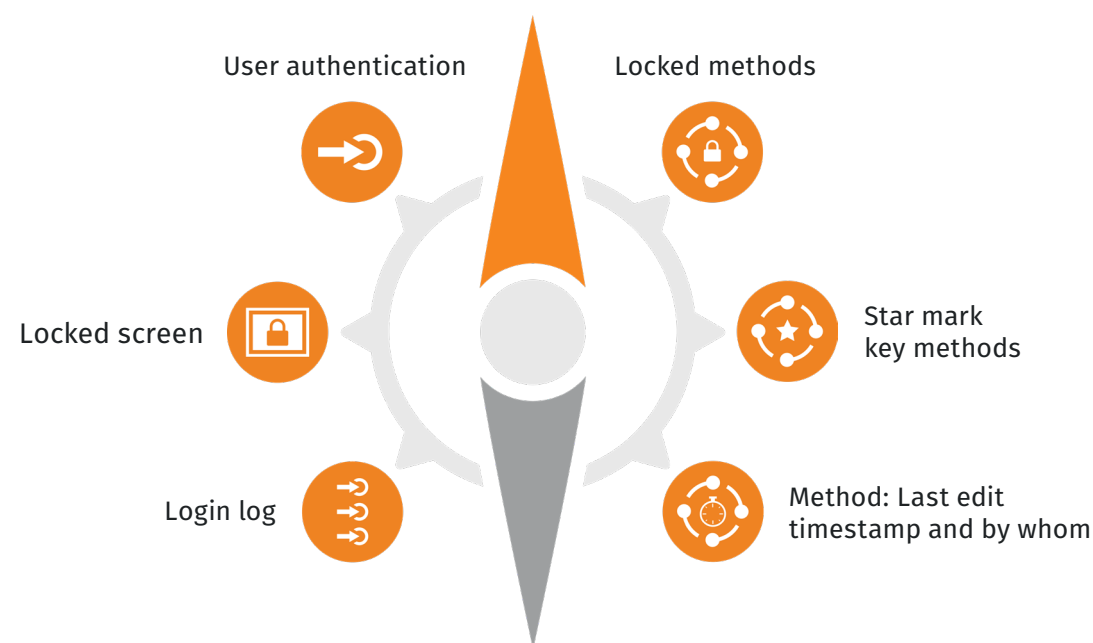
Biotage® Selekt Kompass

Keep your chromatography on the right path

Biotage® Selekt Kompass is your compass for consistency, convenience, and compliance, keeping your chromatography on track so you can focus on results—not on variations between systems and sites. In regulated environments, precision matters, and Biotage® Selekt Kompass ensures every run follows identical conditions. No surprises. No detours. Just reliable purification every time.

Ensure precision with Biotage Selekt Kompass

- **Controlled access:** User logins and lockscreen protect your run in progress
- **Guaranteed tech transfer:** Same method no matter the site or system
- **Locked methods:** Consistent conditions shorten timelines and eliminate guesswork
- **Full traceability:** Be compliant and know who ran what, when, and on which system



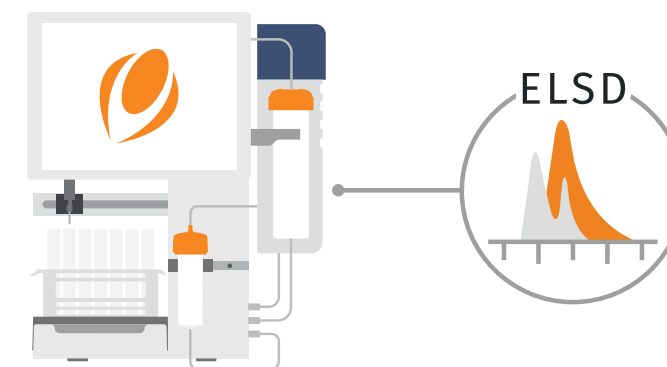
HARDWARE ADD-ONS

Biotage® Selekt ELSD

Robust detection. No chromophores needed.

Detect compounds others miss. This advanced, fully automated evaporative light-scattering detector (ELSD) integrates seamlessly with your Biotage® Selekt purification system, supporting all flow rates and column choices.

- **See your compounds clearly:** Detect compounds and impurities even with weak UV absorbance. Fractionate peaks using both UV and ELSD signals to achieve the highest purity samples.
- **Seamless Integration:** Modular, automated, and fully integrated with your Biotage® Selekt, allowing you to use pre-defined or customized methods to optimize sample detection.
- **Reliable by design:** With carrier solvents and automatic cleaning, your system stays smooth and efficient—reducing clogs, failed runs, and downtime.



HARDWARE ADD-ONS

Biotage® Liquid Level Sensor

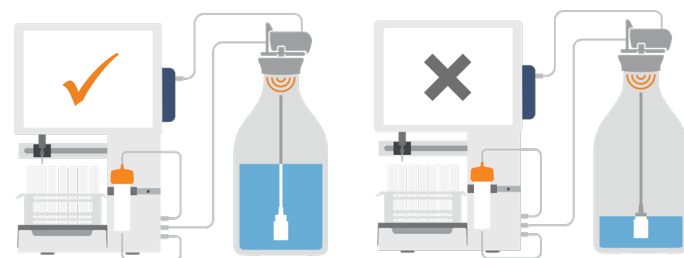
Streamlining solvent management

Stay in control of your purification. Our innovative sensor reports solvent use and waste automatically. Fully compatible with your Biotage® Selekt system, it keeps your workflow efficient, reliable, and stress-free.

Confident solvent monitoring with Biotage® Liquid Level Sensor

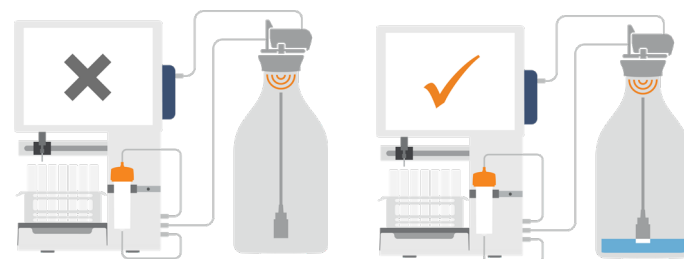
- **Safe liquid handling:** Prevent failed purifications caused by empty solvent reservoirs and eliminate the risk of waste overflow. Sensor design ensures proper operation every time.
- **Monitor solvents and waste in real time:** Keep track of any solvent type and waste accumulation, giving you complete control and confidence in every purification.
- **Workflow flexibility:** Plug-and-play convenience allows use with standard solvent bottles or pre-calibrated Biotage solvent bottles. Once calibrated, bottle settings can be transferred between systems.

Solvent detection



Automatically pauses the system when solvent falls below the solvent filter, preventing failed purifications.

Waste detection



Automatically pauses the system and notifies the user when waste level reaches 95% of the set volume, preventing hazardous waste overflows.

Biotage® Liquid Level Sensor is pending a patent.



HARDWARE ADD-ONS

Accessories

Whatever your workflow needs, we have it

Enhance your Biotage® Selekt system. Our range of accessories increase capacity, safety and efficiency.

**Extended bed – more fractions per run**

Increase your collection capacity with an extended bed, doubling the available rack positions for more fractions.

**Solvent tray – detect leaks**

Contain spills and boost safety with a solvent tray that detects leaks automatically.

**Secondary solvent container**

Maximize space, increase safety and capture overflows with a secondary solvent container that monitors for spills.

**Large column holder**

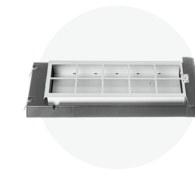
Support large-scale purifications by connecting Biotage® Snap XL columns up to 1800 g, giving you more capacity per run on your existing system.

**Safety valve**

Ensure safe operation when running larger columns preventing pressure building up.

**Racks – flexible collection options**

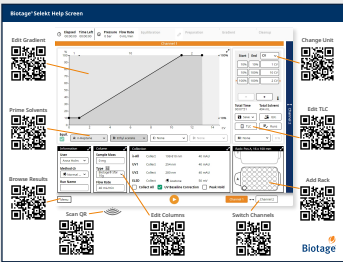
Supports 13 × 100 mm tubes to 480 mL flasks, fully compatible with intelligent rack handling.



Features & specifications

Dive into the details

What’s under the hood? Discover the key features that make the Biotage® Selekt family fast, precise, and reliable — designed to keep every purification run under control.



Access instant online support with instruction videos

QR code reader for easy column and method identification

RFID-enabled racks for easy tracking

Full system control on a 15" touchscreen

Biotage® Selekt features two channels, with columns mounted either on the side or at the front.



Compact design for limited space – <14" (36 cm)



Biotage® Selekt



Biotage® Selekt Enkel

Performance

Four solvent lines

Two column channels

1-300 mL/min flow rate

Pressure limit: 435 psi/30 bar

UV/UV-Vis detection

Two solvent lines

One column channel

1-150 mL/min flow rate

Pressure limit: 218 psi/15 bar

UV detection only

Operation

15" touch screen interface

Column parameters with QR code scanner

Automate rack detection with RFID

Spektra license optional

Kompass license optional

Biotage® Selekt monitor API license optional

Biotage® Selekt remote control license optional

Network access included

15" touch screen interface

Column parameters with QR code scanner

Automate rack detection with RFID optional*

Spektra license optional

Kompass license optional

Biotage® Selekt monitor API license optional

Biotage® Selekt remote control license optional

Network access optional*

Accessories

Extended bed optional*

5-year warranty optional

Global service team available

Extended bed optional*

5-year warranty optional

Global service team available

* Installed by service engineer



Ordering information

Part number	Description	Qty	Part number	Description	Qty
Instruments			Accessories		
SEL-2SV	Biotage® Selekt, two channel, single collection bed, UV detector	1	417538SP	Cartridge holder 5 g/10 g with O-ring	1
SEL-2SW	Biotage® Selekt, two channel, single collection bed, UV-VIS detector	1	417539SP	Cartridge holder 25 g with O-ring	1
SEL-2EV	Biotage® Selekt, two channel, extended collection bed, UV detector	1	415343SP	Column holder Biotage® Sfär 50/100 g	1
SEL-2EW	Biotage® Selekt, two channel, extended collection bed, UV-VIS detector	1	415337SP	Column holder Biotage® Sfär 200/350 g	1
SEL-ESV	Biotage® Selekt Enkel single channel, single collection bed, UV detector	1	416301SP	13 x 100 mm RFID rack	3
Software			416302SP	16 x 100 mm RFID rack	3
SEL-SPK	Biotage® Spektra software package	1	416303SP	16 x 150 mm RFID rack	3
SEL-RC	Biotage® Selekt Remote Control	1	416305SP	18 x 150 mm RFID rack	3
SEL-mAPI	Biotage® Selekt Monitor API	1	416306SP	25 x 150 mm RFID rack	3
SEL-KOMPASS	Biotage® Selekt Kompass software license	1	416307SP	120 mL flask RFID rack (holds X flasks)	3
			416230SP	240 mL flask RFID rack (holds 10 flasks)	1
			416225SP	480 mL flask RFID rack (holds 8 flasks)	1
			416321SP	Biotage® Selekt secondary solvent containment	1
			416410SP	Biotage® Selekt instrument tray with solvent sensor	1
			417501SP	Biotage® Selekt Enkel network upgrade kit	1
			417502SP	Biotage® Selekt Enkel extended bed upgrade kit	1
			417504SP	Biotage® Selekt Enkel RFID upgrade kit	1

Part number	Description	Qty	Part number	Description	Qty
Accessories large columns			Accessories, consumables and spare parts for Biotage® Selekt ELSD		
417115SP	Biotage® Safety valve kit	1	Accessories		
412358	Female luer outlet fitting for Biotage® Snap 750 g and 1500 g cartridges, assembly	1	418800	Biotage® Selekt ELSD	1
412422	750 g / 1500 g holder assembly	1	419145SP	Rail tube clip	1
412537	Male luer outlet fitting for Biotage® Snap 750 g and 1500 g cartridges, assembly	1	419275SP	Gas pressure inlet adapter 6 to 4 mm	1
Accessories for Biotage® Selekt Liquid Level Sensor			416441SP	Filter unit with pressure regulator (6 mm OD)	1
418776	Biotage® Selekt Liquid Level Sensor kit	1	352281SP	Pressure regulator (6 mm OD)	1
418843	Biotage® Selekt Enkel Liquid Level Sensor kit	1	416441SP	Air dryer (6 mm OD)	1
418758SP	Biotage® Liquid Level Sensor hub	1	418819SP	Counterweight	1
418536SP	Biotage® Liquid Level Sensor	1	Consumables		
418777SP	Tube holder	5	419276SP	ELSD filter kit including PEEK capillary (2) and filter (2)	1
418523SP	Reservoir 5 L, GL45	5	419277SP	ELSD splitter stator and rotor	1
418524SP	Reservoir 10 L, GL45	1	Spare Parts		
418528SP	GL45 cap	5	417440SP	Inline check valve for pump version II	4
418529SP	38-430 cap	5	417019SP	One solvent inlet line and filter	1
418571SP	Universal cap adapter	5	417022SP	Waste outlet tube extension	1
418956SP	Cable and tube support kit	1	417572SP	Nebulizer filter unit	1
			418574SP	CAN power cable	1
			419278SP	ELSD tube kit incl the 2 x UV to ELSD connection tube	1
			413022SP	Solvent tube holder 3/16"	10



Ready to upgrade your purification workflow with the Biotage Selekt Family?

Follow us on LinkedIn and YouTube
for tips, tricks, and the latest updates.



Biotage is a global solutions partner for customers in drug discovery, development, and analytical testing. With deep expertise in separation and purification technologies and a focus on intelligent workflow solutions, we help advance and protect human health efficiently and reliably.

Learn more about us at [biotage.com](https://www.biotage.com)



For local office contact information,
visit [biotage.com/contact](https://www.biotage.com/contact)

Literature Number: BR01

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