



Q PuraBead® Edge

High-resolution anion exchanger

www.astreabioseparations.com

Astrea
Bioseparations
A Biotage Company

PURITY
by DESIGN

OUR TECHNOLOGY

Q PuraBead® Edge is a next-generation strong anion exchange (AEX) adsorbent, featuring a quaternary ammonium (Q) group attached to our advanced 65 µm PuraBead® Edge base bead.

Q PuraBead® Edge is specifically engineered to deliver exceptional resolution in intermediate purification and polishing steps. Its smaller bead size compared to standard resins enables high binding capacities at short residence times—ideal for rapid polishing applications or resolving difficult-to-separate mixtures. This resin is well-suited for achieving superior purity in bioprocess workflows without compromising throughput.



Its ability to maintain high performance at reduced residence times makes Q PuraBead® Edge an excellent choice for high-throughput environments, where speed, yield, and purity must work in concert. It offers a combination of resolution, capacity, and operational flexibility—supporting both small-scale screening and large-scale manufacturing.

Key features

- Improved resolution using our 65 µm PuraBead® Edge base bead
- Optimal balance of flow rate, binding capacity, and resolution to maximize productivity
- Demonstrated performance in polishing, plasmid DNA open circular (OC)/supercoiled (SC) separation, AAV8 purification, and other applications requiring high resolution techniques
- Efficient processing of large volumes

Advantages

- Delivers high-resolution separation for challenging polishing steps
- High binding capacity even at short residence times
- Engineered for efficient flow and scalable performance
- Achieves higher purity in fewer steps without compromising throughput

For more information on this or any other matters, please do not hesitate to contact us at sales@astrea-bio.com.



PRODUCT FORMATS

Bulk manufacture & supply

Q PuraBead® Edge is available in slurry or pre-packed column formats, including our Evolve® pre-packed reusable bioprocess columns, Evolve®D single-use range, and SNAP® laboratory-scale column ranges.

Astrea Bioseparations provides volumes sufficient to meet the requirements of the largest biomanufacturing processes. Adsorbent batches are produced in Astrea Bioseparations' controlled environment manufacturing facility under an ISO 9001 quality system.

Regulatory support

Our ion exchange adsorbents are manufactured in Astrea Bioseparations' controlled environment manufacturing facility under an accredited ISO 9001 quality system and are supported by comprehensive regulatory support files.

Ordering information

For detailed product specifications, ordering information, and technical support, please visit the [Q PuraBead® Edge product page](#) on our website.

Gel slurry

Pack size	Product code
25 mL	FG00476-00025
100 mL	FG00476-00100
500 mL	FG00476-00500
1000 mL	FG00476-01000

Column kits

Pack size	Product code
1 x 1 mL column	6752
1 x 5 mL column	6753
4 x 1 mL columns	6652
4 x 5 mL columns	6653
Evolve®R 5 mL	4300-00005-FG00476



Commitment to quality

Astrea Bioseparations is honored to support the biopharmaceutical industry with products and services that help bring life-saving and improving medicines to market. Regardless of process scale, we are ready to build Purity by Design into each process to ensure quality and speed to market.

Technical support

Astrea Bioseparations provides expert technical support to help optimize purification strategies. Our chromatography specialists are available to assist with process development, troubleshooting, and scalability considerations.



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Q PuraBead® Edge - V1

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