everest biolabs

Automate the tedious.
Focus on discovery.

Apex®

Easily isolate pure, functional EVs with high yield

Also available in plate and mini formats

- Plate and column formats
- SEC tuned for purity and yield
- Reproducible < 10% CV
- 0.1 – 1.0 mL sample volumes

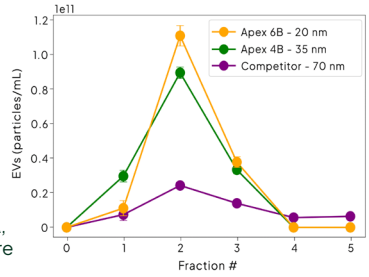
Apex for sharper peaks. Cleaner insights.

Apex 4B and 6B columns & plates

High performance isolation

- Reproducible performance < 10% CV
- Sample volume 0.5 - 1.0 mL
- Available with SEC and multi-mode resins
- Validated in culture, plasma, urine, serum & CSF
- Compatible with Ascent and Summit

Column Type	Purity	Yield	Pore-Size
Apex 6B	1.0	1.0	20 nm
Apex 4B	5.0	0.8	35 nm
Competitor	5.0	0.3	70 nm

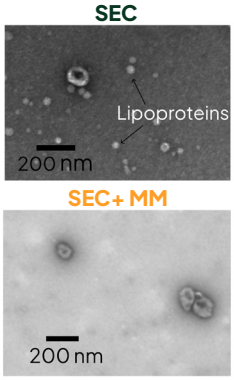


EV profiles from 0.5 mL plasma, as measured by Atlas ELISA, after SEC with agarose gels of 70 nm, 35 nm, and 20 nm pore sizes. Definitions: Yield = EVs in fractions 1-3, normalized to Apex 6B Purity = Yield/HSA, normalized to Apex 6B

Apex MM, more than just SEC

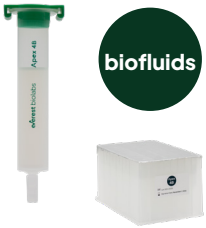
50% more EVs and 2× purity

SEC combined with multi-mode (MM) resin significantly enhance EV purity by removing more lipoproteins than SEC alone.



Apex 4B

Optimized for high purity and lowest protein co-elution

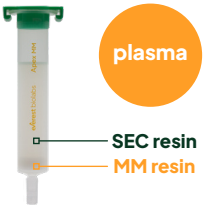


Apex 6B

Optimized for highest EV yield

Apex MM

Optimized for highest purity



Apex Mini

Optimized for small sample volumes (0.1 - 0.2 mL)

APEX SPECIFICATIONS			
Column format	**Column**	**Plate**	**Mini**
Column type	MM / 6B / 4B	6B / 4B	MM
Input sample volume	0.5 - 1.0 mL	0.5 - 1.0 mL	0.1 - 0.2 mL
Column reproducibility	10% CV		
Sample types	Plasma, serum, urine, CSF, cell culture media		
Resin types	4 % or 6 % cross linked agarose beads, cross-linked agarose plus multi-mode		
Column volume	8.75–9.0 mL	8.75–9.0 mL	3.5 mL

See Apex performance data (NTA/TEM/ONI/...)

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