

Analytical Columns/Guard Cartridges and Holders

The Advantage 300+ line of columns are designed specifically for biochromatography of proteins, peptides and nucleic acids. The 300Å pore size, high purity silica and stable bonding chemistry of Advantage 300+ packings makes them ideal for life science applications.

Improved Performance

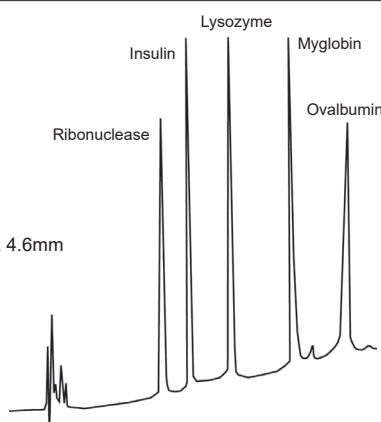
The Advantage 300+ packings provide superior performance:

- Improved resolution
- Better reproducibility
- Longer column life
- More efficient separations

Longer Column Lifetime

Advantage 300+ reverse phase packings are designed to withstand harsh mobile phase conditions for longer column lifetimes. Notice the acid hydrolysis tests below, at pH 1.8 and 50°C using 0.1% TFA.

Separation of Proteins



Catalog No.: ADV981546

Column: Advantage 300+ C18, 5µm, 150 x 4.6mm

Gradient: A: 0.2% TFA in H₂O

B: 0.2% TFA in 95/5–AcN/H₂O

30 min gradient. 25–100% B

Flow: 1.5 ml/min

Detector: UV @ 220nm

Advantage 300+ C4 Specifications

Phase: C4

Particle Size: 5 & 10 µm

Pore Size: 300 Å

Pore Volume: 0.9 mL/gm

Surface Area: 100 m²/gm

% Carbon: 4%

Fully Encapped & Monofunctional: Yes

Silica Class: Type B

Advantage 300+ C18 Specifications

Phase: C18

Particle Size: 5 & 10 µm

Pore Size: 300 Å

Pore Volume: 0.9 mL/gm

Surface Area: 100 m²/gm

% Carbon: 9%

Fully Encapped & Monofunctional: Yes

Silica Class: Type B

Advantage™ 300+ Analytical Columns

C4 5µm

Cat. No.	Description
ADV940321	3.0cm x 2.1mm ID
ADV940521	5.0cm x 2.1mm ID
ADV941021	10.0cm x 2.1mm ID
ADV941521	15.0cm x 2.1mm ID
ADV942521	20.0cm x 2.1mm ID
ADV940330	3.0cm x 3.0mm ID
ADV940530	5.0cm x 3.0mm ID
ADV941030	10.0cm x 3.0mm ID
ADV941530	15.0cm x 3.0mm ID
ADV942530	20.0cm x 3.0mm ID
ADV940346	3.0cm x 4.6mm ID
ADV940546	5.0cm x 4.6mm ID
ADV941046	10.0cm x 4.6mm ID
ADV941546	15.0cm x 4.6mm ID
ADV942546	25.0cm x 4.6mm ID

C18 5µm

Cat. No.	Description
ADV980321	3.0cm x 2.1mm ID
ADV980521	5.0cm x 2.1mm ID
ADV981021	10.0cm x 2.1mm ID
ADV981521	15.0cm x 2.1mm ID
ADV982521	25.0cm x 2.1mm ID
ADV980330	3.0cm x 3.1mm ID
ADV980530	5.0cm x 3.1mm ID
ADV981030	10.0cm x 3.1mm ID
ADV981530	15.0cm x 3.1mm ID
ADV982530	25.0cm x 3.1mm ID
ADV980346	3.0cm x 4.6mm ID
ADV980546	5.0cm x 4.6mm ID
ADV981046	10.0cm x 4.6mm ID
ADV981546	15.0cm x 4.6mm ID
ADV982546	25.0cm x 4.6mm ID

ADV-GuardFM

Advantage™ 300+ Guard Cartridges & Holders

C4 & C18 Guard Cartridges

Cat. No.	Description
ADV94004	C4, 5µm, SS Guard Cartridges 20mm x 3.2mm ID
ADV98018	C18, 5µm, SS Guard Cartridges 20mm x 3.2mm ID
ADV-GuardFM	PEEK™ Guard Holder, for 20mm Columns
ADV-GuardFF	Double Female Holder, for 20mm Columns



Advantage™ 300+ Columns

Prep, Semi-Prep & Direct Connect



Advantage™ 300+ Semi-Prep & Prep Columns

C4 5µm

Cat. No.	Description
ADV945015	5.0cm x 10mm ID
ADV941015	10.0cm x 10mm ID
ADV941515	15.0cm x 10mm ID
ADV942515	25.0cm x 10mm ID
ADV945025	5.0cm x 20mm ID
ADV941025	10.0cm x 20mm ID
ADV941525	15.0cm x 20mm ID
ADV942525	25.0cm x 20mm ID

C4 10µm

Cat. No.	Description
ADV945010	5.0cm x 10mm ID
ADV941010	10.0cm x 10mm ID
ADV941510	15.0cm x 10mm ID
ADV942510	25.0cm x 10mm ID
ADV945020	5.0 x 20mm ID
ADV941020	10.0 x 20mm ID
ADV941520	15.0 x 20mm ID
ADV942520	25.0 x 20mm ID

C18 5µm

Cat. No.	Description
ADV985015	5.0cm x 10mm ID
ADV981015	10.0cm x 10mm ID
ADV981515	15.0cm x 10mm ID
ADV982515	25.0cm x 10mm ID
ADV985025	5.0cm x 20mm ID
ADV981025	10.0cm x 20mm ID
ADV981525	15.0cm x 20mm ID
ADV982525	25.0cm x 20mm ID

C18 10µm

Cat. No.	Description
ADV985010	5.0cm x 10mm ID
ADV981010	10.0cm x 10mm ID
ADV981510	15.0cm x 10mm ID
ADV982510	25.0cm x 10mm ID
ADV985020	5.0cm x 20mm ID
ADV981020	10.0cm x 20mm ID
ADV981520	15.0cm x 20mm ID
ADV982520	25.0cm x 20mm ID

Sprite™ 300+ Direct Connect HPLC Columns

- For applications requiring high resolution and high selectivity
- 10 to 40 x 2.1mm I.D. sizes
- Fast HPLC analysis
- LC-MS applications
- PEEK™ / titanium design
- Individually tested and certified



C4

Cat. No.	Description
Sprite 94102	5µm, 1.0cm x 2.1mm ID
Sprite 94202	5µm, 2.0cm x 2.1mm ID
Sprite 94402	5µm, 4.0cm x 2.1mm ID

C18

Cat. No.	Description
Sprite 98102	5µm, 1.0cm x 2.1mm ID
Sprite 98202	5µm, 2.0cm x 2.1mm ID
Sprite 98402	5µm, 4.0cm x 2.1mm ID

ADV10-HOLD30



ADV20-HOLD25

Advantage™ 300+ Prep Guard Cartridges & Holders

Cartridges

Cat. No.	Description
ADV94000	C4, 10µm, Guard Cartridges, 30mm x 10mm ID, 2/Pkg
ADV98000	C18, 10µm, Guard Cartridges, 30mm x 10mm ID, 2/Pkg
ADV94222	C4, 10µm, Guard Cartridges, 20mm x 20mm ID, 2/Pkg
ADV98222	C18, 10µm, Guard Cartridges, 20mm x 20mm ID, 2/Pkg

Holders

Cat. No.	Description
ADV10-HOLD30	Semi-Prep 10mm ID Guard Cartridge Holder
ADV20-HOLD25	Prep 20mm ID Guard Cartridge Holder

For pricing, see analytical-sales.com