

Alltech® Apollo™ Columns

best
value

Economical, High Performance Columns

- Easy scale-up from analytical to prep
- Extended pH stability—1.5 to 10.5

Batch-tested Apollo™ HPLC columns use high purity, base-deactivated silica for powerful separations at an economical price. They are ideal for educational labs or for method development.

Alltech



Apollo™ Phase Specifications									
Phase	Base Material	Particle Shape	Particle Size	Pore Size	Surface Area	Carbon Load	Phase Type	Endcapped?	USP L-code
C18	Silica	Spherical	5µm	100Å	340m ² /g	15%	Monomeric	Yes	L1
C8	Silica	Spherical	5µm	100Å	340m ² /g	9%	Monomeric	Yes	L7
Phenyl	Silica	Spherical	5µm	100Å	340m ² /g	8%	Monomeric	Yes	L11
Silica	Silica	Spherical	5µm	100Å	340m ² /g	—	—	—	L3

Apollo™ HPLC Columns

Packing	Format	i.d. x Length	Part No.
C18, 5µm	Analytical	4.6 x 150mm	36505
	Analytical	4.6 x 250mm	36511
C8, 5µm	Analytical	4.6 x 150mm	36506
	Analytical	4.6 x 250mm	36512
Phenyl, 5µm	Analytical	4.6 x 150mm	36538
	Analytical	4.6 x 250mm	36544
Silica, 5µm	Analytical	4.6 x 150mm	36507
	Analytical	4.6 x 250mm	36513

Apollo™ All-Guard™ Cartridges*

Packing	i.d. x Length	Qty.	Part No.
C18, 5µm	4.6 x 7.5mm	3	96454
C8, 5µm	4.6 x 7.5mm	3	96463
Phenyl, 5µm	4.6 x 7.5mm	3	96430
Silica, 5µm	4.6 x 7.5mm	3	96419
All-Guard™ Cartridge Holder (Includes Direct-Connect Column Coupler)		ea	80101

*All-Guard™ holder required. Other particle sizes available.

Alltech® Econosphere™ Columns

- Low-cost columns for common chromatography applications
- Acid-washed for low metal content
- Easy scale-up from analytical to prep

Econosphere™ Phase Specifications									
Phase	Base Material	Particle Shape	Particle Size	Pore Size	Surface Area	Carbon Load	Phase Type	Endcapped?	USP L-code
C18	Silica	Spherical	3, 5, 10µm	80Å	200m ² /g	10%	Monomeric	Yes	L1
C8	Silica	Spherical	3, 5, 10µm	80Å	200m ² /g	5%	Monomeric	Yes	L7
Cyano	Silica	Spherical	5µm	80Å	200m ² /g	—	Monomeric	Yes	L10
Amino (NH ₂)	Silica	Spherical	5µm	80Å	200m ² /g	—	Polymeric	Yes	L8
Silica	Silica	Spherical	3, 5, 10µm	80Å	200m ² /g	—	—	No	L3

Econosphere™ HPLC Columns

Packing	Format	i.d. x Length	Standard Part No.	Waters® Part No.
C18, 3µm	Analytical	4.6 x 50mm	70153	70156
	Analytical	4.6 x 100mm	70154	—
	Analytical	4.6 x 150mm	70155	70158
C18, 5µm	Analytical	4.6 x 150mm	70065	70070
	Analytical	4.6 x 250mm	70066	70071
C8, 3µm	Analytical	4.6 x 50mm	70165	70168
C8, 5µm	Analytical	4.6 x 150mm	70085	70090
	Analytical	4.6 x 250mm	70086	—
Cyano, 5µm	Analytical	4.6 x 150mm	70025	—
	Analytical	4.6 x 250mm	70026	70031

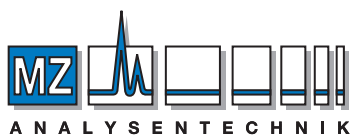
Econosphere™ HPLC Columns (continued)

Packing	Format	i.d. x Length	Standard Part No.	Waters® Part No.
Amino, 5µm	Analytical	4.6 x 150mm	70045	70050
	Analytical	4.6 x 250mm	70046	70051
Silica, 3µm	Analytical	4.6 x 150mm	70179	70182
Silica, 5µm	Analytical	4.6 x 150mm	70005	70010
	Analytical	4.6 x 250mm	70006	70011

Econosphere™ All-Guard™ Cartridges*

Packing	i.d. x Length	Qty.	Part No.
C18	4.6 x 7.5mm	3	96121
C8	4.6 x 7.5mm	3	96122
Cyano	4.6 x 7.5mm	3	96123
Amino	4.6 x 7.5mm	3	96124
Silica	4.6 x 7.5mm	3	96125
All-Guard™ Cartridge Holder (Includes Direct-Connect Column Coupler)		ea	80101

*Guard holder required.



MZ-Analysentechnik GmbH
 Wöhlerstraße 2-6 • D-55120 Mainz
 Tel +49 6131 68 66 19
 Fax +49 6131 68 66 20
 e-mail: info@mz-at.de
 www.mz-at.de