



HICHROM

Chromatography Columns and Supplies

LC COLUMNS
Genesis and
GraceSmart

Catalogue 9



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Genesis®

- Good peak shape and reproducibility
- Long column life

Genesis® phases, manufactured by Grace Materials Technologies / Discovery Sciences, are based on high purity metal-free spherical silica. They are suitable for the analysis of a wide range of analytes. Columns are supplied in conventional column hardware.

Genesis Phases

Genesis Phase	Functional Group	Endcapped	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)
Silica	-	-	4, 7, 15	120	300	-
C8	Octyl	No	3, 4, 7, 15	120	300	11
C8 e/c	Octyl	Yes	3, 4, 7, 15	120	300	11
C18	Octadecyl	Yes	3, 4, 7, 15	120	300	18
AQ	Octadecyl	Yes	4, 7	120	300	15
Phenyl	Phenyl	Yes	4	120	300	9.4
CN	Cyano	Yes	4	120	300	7
NH2	Amino	No	3	120	300	3.5

The ordering information below represents a selection of the column dimensions available. Please contact Hichrom regarding possible alternative dimensions, including semi-preparative and preparative.

Genesis Phase ¹ (4µm)	Column Dimensions ^{2,3} (mm)				Guard Cartridges ⁴ (2/pk) (10 x 4.0mm)
	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	
Silica	-	-	-	FM25961E £534	FH1961-2 £188
C8	-	FM10962E £424	FM15962E £476	FM25962E £540	FH1962-2 £175
C8 e/c	-	FM10964E £432	FM15964E £469	-	FH1964-2 POA
C18	FM5960E £398	FM10960E £432	FM15960E £484	FM25960E £540	FH1960-2 £181
Phenyl	-	-	FM15980E £472	-	-
CN	-	-	FM15965E £478	FM25965E £525	FH1965-2 POA
AQ	FM5951E £475	FM10951E £501	FM15951E £579	FM25951E £631	FH1951-2 POA

¹ Other particle sizes available

² Other dimensions available

³ All columns include end fittings

⁴ Use with All-Guard™ holder 80101 (£89) - includes column coupler



GraceSmart™

- High purity phase
- Ideal for general use
- Exceptional value

GraceSmart Phase	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)	Endcapped
C18	3, 5	120	220	10	Yes

GraceSmart™ C18 is based on high purity silica which is monomerically bonded with uniform coverage. This leads to symmetrical peaks for acids and bases.

Ordering Information

Particle Size	Column Dimensions (mm)							
	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6
3µm	5141756 £249	5141755 £268	5141754 £294	-	5141811 £244	5141753 £268	5141752 £297	-
5µm	-	-	5138811 £161	5138813 £171	-	-	5138812 £161	5138810 £174