



HICHROM

Chromatography Columns and Supplies

LC COLUMNS
Dikma

Catalogue 9

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Dikma® Technologies Inc. manufactures several ranges of HPLC and UHPLC columns, based on high purity metal-free silica.

Phase Specifications

Phase	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)	Endcapped	pH Range
Endeavorsil C18	1.8	120	300	20	Yes	1.5 - 10
Leapsil C18	2.7	100	440	27	Yes	1.5 - 10
Spursil C18	3, 5, 10	100	440	25	Yes	1.5 - 10
Spursil C18-EP	3, 5, 10	100	440	24	Yes	1.5 - 10
Inspire C18	3, 5, 10	100	440	27	Yes	1 - 11
Inspire C8	3, 5, 10	100	440	17	Yes	1 - 11
Bio-Bond C18	3, 5, 10	300	100	8	Yes	2 - 8
Bio-Bond C8	3, 5, 10	300	100	5	Yes	2 - 8
Bio-Bond C4	3, 5, 10	300	100	3	Yes	2 - 8

Endeavorsil™ C18

- 1.8µm particle size
- Combines speed, resolution and sensitivity

Endeavorsil C18 is a 1.8µm silica phase designed for ultra-fast separations with high efficiency, sensitivity and resolution. Columns show excellent separation characteristics over a wide pH range.

Leapsil™ C18

- 2.7µm particle size
- Compatible with all HPLC and UHPLC instruments
- Wide pH stability

Leapsil C18 is a 2.7µm particle size phase designed for ultra fast separations using HPLC or UHPLC instrumentation. Higher flow rates can be used, without compromising resolution or column back pressure.

Spursil™

- Unique selectivity and enhanced resolution
- Enhanced retention for polar compounds
- Stable retention in highly aqueous eluents

Spursil phases combine the benefits of high purity silica with unique polar modification technology. These columns maximise polar retention and selectivity, whilst virtually eliminating silanol activity. Figure 1 shows the separation of a group of cephalosporins on a Spursil C18 column.

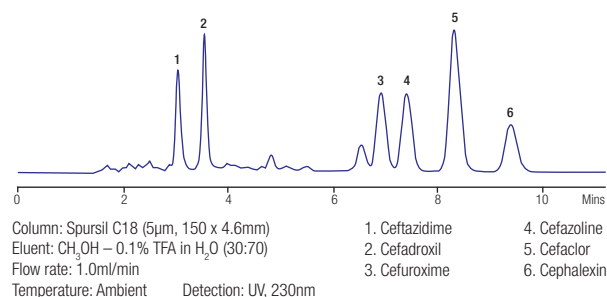


Figure 1. Separation of cephalosporins on Spursil C18

Inspire™

- High efficiency and selectivity
- Stable from pH 1 to 11
- Excellent batch-to-batch reproducibility

Inspire C18 and C8 columns are manufactured from high purity silica, using proprietary bonding techniques and tightly controlled manufacturing processes. Figure 2 shows the separation of antibacterials on an Inspire C18 column.

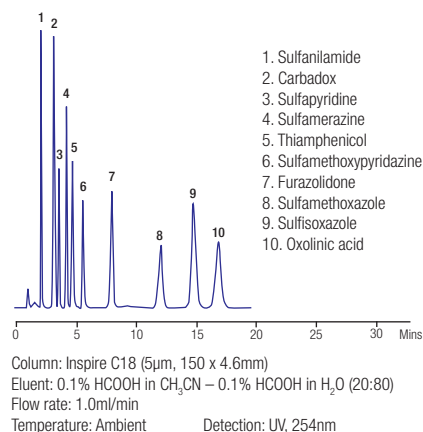


Figure 2. Separation of antibacterials on Inspire C18

Bio-Bond™

- C18, C8 and C4 wide-pore phases
- Proteins, peptides and biomolecule analyses

Bio-Bond phases are designed for the analysis and purification of proteins, peptides and other biomolecules. These are excellent columns for LC-MS due to low phase bleed. Dikma offers direct scale-up to preparative dimension columns and bulk materials.

Ordering Information

Endeavorsil

1.8µm Phase	Column Dimensions (mm)		
	30 x 2.1	50 x 2.1	100 x 2.1
Endeavorsil C18	87001	87002	87003

Leapsil

2.7µm Phase	Column Dimensions ¹ (mm)					
	50 x 2.1	100 x 2.1	150 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6
Leapsil C18	86004	86005	86006	86001	86002	86003

¹ 3.0mm i.d. columns also available

Spursil

3µm Phase	Column Dimensions ¹ (mm)				
	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1
Spursil C18	82030	82004	82012	82013	82015
Spursil C18-EP	82130	82104	82112	82113	82115
	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6
Spursil C18	82031	82016	82017	82018	82020
Spursil C18-EP	82131	82116	82117	82118	82120

5µm Phase	Column Dimensions ¹ (mm)				
	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1
Spursil C18	82033	82003	82007	82002	82009
Spursil C18-EP	82133	82103	82107	82102	82109
	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6
Spursil C18	82034	82010	82011	82001	82006
Spursil C18-EP	82134	82110	82111	82101	82106

¹ 3.0mm i.d. columns also available

Inspire

3µm Phase	Column Dimensions ¹ (mm)					Guard Cartridges ³ , 2/pk
	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	
Inspire C18	81030	81004	81012	81013	81015	6501
Inspire C8	81130	81104	81112	81113	81115	6502
	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	10 x 4.0
Inspire C18	81031	81016	81017	81018	81020	6601
Inspire C8	81131	81116	81117	81118	81120	6602

5µm Phase	Column Dimensions ^{1,2} (mm)					Guard Cartridges ³ , 2/pk
	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	
Inspire C18	81033	81003	81007	81002	81009	6503
Inspire C8	81133	81103	81107	81102	81109	6504
	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	10 x 4.0
Inspire C18	81034	81010	81011	81001	81006	6603
Inspire C8	81134	81110	81111	81101	81106	6604

¹ 3.0mm i.d. columns also available

² 5 and 10µm semi-preparative columns also available

³ Use with EasyGuard holder 6220

Bio-Bond

3µm Phase	Column Dimensions ¹ (mm)					Guard Cartridges ² , 2/pk	
	50 x 2.1	150 x 2.1	50 x 4.6	150 x 4.6	250 x 4.6	10 x 2.1	10 x 4.0
Bio-Bond C18	84004	84013	84016	84018	84020	6901	6951
Bio-Bond C8	84104	84113	84116	84118	84120	6902	6952
Bio-Bond C4	84404	84413	84416	84418	84420	6905	6955
5µm Phase	50 x 2.1	150 x 2.1	50 x 4.6	150 x 4.6	250 x 4.6	10 x 2.1	10 x 4.0
Bio-Bond C18	84003	84002	84010	84001	84006	6903	6953
Bio-Bond C8	84103	84102	84110	84101	84106	6904	6954
Bio-Bond C4	84403	84402	84410	84401	84406	6906	6956

¹ Semi-preparative columns also available

² Use with EasyGuard holder 6220

Please contact Hichrom for further information on Dikma columns.