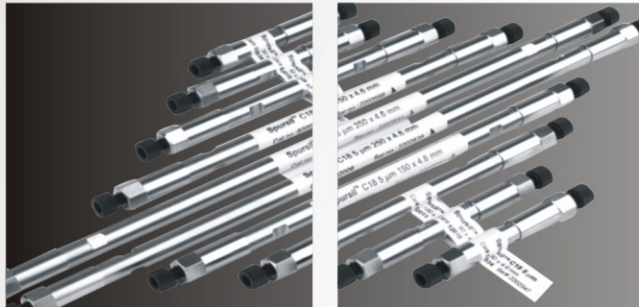




DiKMA[®]
A reliable partner for your lab

HPLC | UHPLC Columns



Dikma Technologies Inc.

www.dikmatech.com | www.dimaglass.com



About Dikma HPLC | UHPLC Columns

Dikma has over 15 years of R&D experience in HPLC / UHPLC columns. Dikma HPLC / UHPLC columns have been widely used by pharmaceutical manufacturers. We offer columns of ultimate performance and maximum versatility to address the challenges and increasing needs of today's chromatographic laboratories.

The quality of packing material is the basis for all good chromatographic separation. Dikma is in a unique position to control the manufacturing process from start to finish, from making high-purity (99.999%) raw silica to applying different bonding chemistries. Furthermore, to ensure the high performance and robustness of our columns, we maintain tight specifications during all stages of the manufacturing process and follow rigid, audited ISO 9001 procedures to guarantee reproducible products. The end results that get delivered to you are columns that perform at their best and offer you highly reproducible batch-to-batch results without alteration of HPLC conditions.

Inspire™ HPLC Columns

Features of Inspire™ Columns

- High efficiency
- Longer column lifetime
- Stable from pH 1-11
- Efficient method development
- Outstanding selectivity
- Extreme resolution
- Excellent batch-to-batch reproducibility

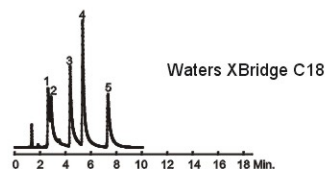
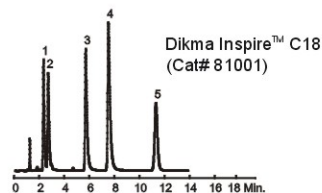


Inspire™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m ² /g)	Purity (%)	Phase density (µmol/m ²)	Carbon loading (%)	pH range	Endcapping
C18	3,5,10	100	440	> 99.999	3.9	27	1-11	Yes
C8	3,5,10	100	440	> 99.999	4.0	17	1-11	Yes

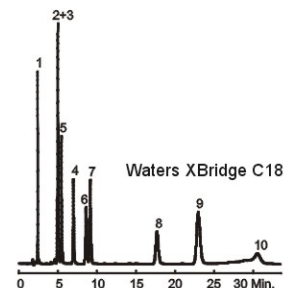
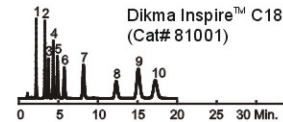
TCAs at Neutral pH Conditions

Columns: Listed on chromatograms
 Dimensions: 150x4.6mm, 5µm (all columns)
 Mobile Phase: ACN:20mM Na₂HPO₄/NaH₂PO₄(pH 7.0)=2:1
 Flow Rate: 1.0mL/min
 Temperature: Ambient
 Detector: UV 254nm
 Sample: 1. Desipramine
 2. Nortriptyline
 3. Imipramine
 4. Amitriptyline
 5. Trimipramine



Antibacterials

Columns: Listed on chromatograms
 Dimensions: 150x4.6mm, 5µm (all columns)
 Mobile Phase: 0.1% HCOOH in ACN:0.1% HCOOH in H₂O=20:80
 Flow Rate: 1.0mL/min
 Temperature: Ambient
 Detector: UV 254nm
 Sample: 1. Sulfanilamide
 2. Carbadox
 3. Sulfapyridine
 4. Sulfamerazine
 5. Thiamphenicol
 6. Sulfamethoxyypyridazine
 7. Furazolidone
 8. Sulfamethoxazole
 9. Sulfisoxazole
 10. Oxolinic acid





Spursil™ HPLC Columns

Features of Spursil™ Columns

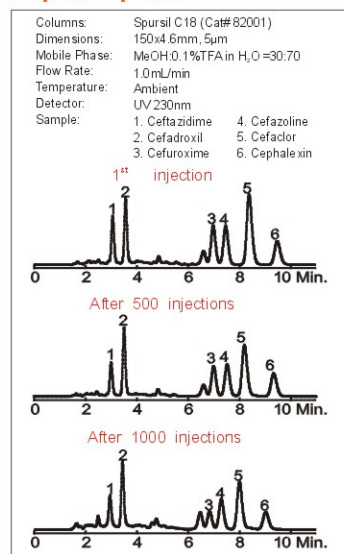
- Combine high-purity silica with unique polar modification technology
- Maintain characteristics of conventional reversed phases
- Unique selectivity and enhanced resolution
- Reduced silanol interactions and improved peak shape for basic analytes
- Stable retention in highly aqueous mobile phase conditions
- Enhanced retention for polar compounds
- Extended range pH stability
- Choose from a variety of selectivities & hardware formats



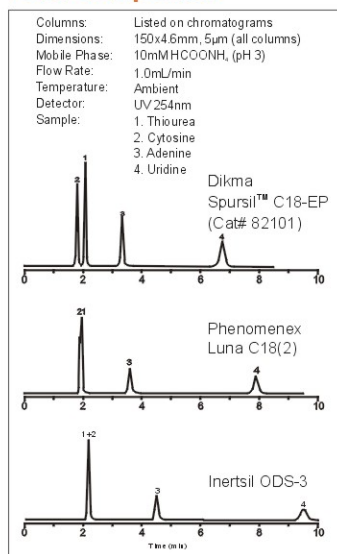
Spursil™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m ² /g)	Purity (%)	Phase density (µmol/m ²)	Carbon loading (%)	pH range	Endcapping
C18	3, 5, 10	100	440	> 99.999	3.5	25	1.5–10	Yes
C18-EP	3, 5, 10	100	440	> 99.999	3.4	24	1.5–10	Yes

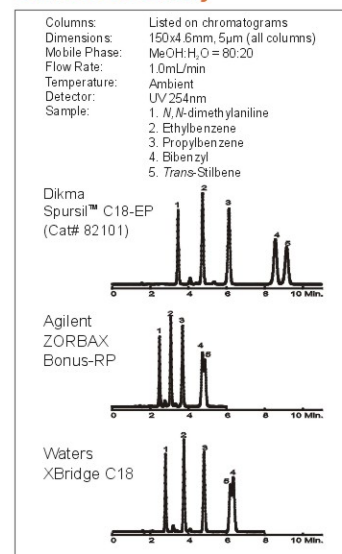
Cephalosporin



Polar Compounds



Steric Selectivity

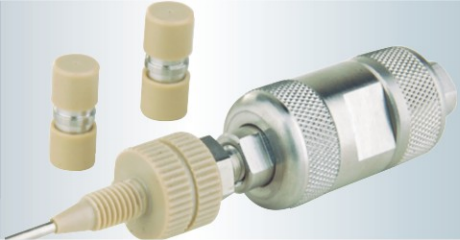


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 * ZORBAX Bonus is a registered trademark of Agilent Corporation. Dikma Technologies is not affiliated with the above company.
 * Xbridge is a registered trademark of Waters Corporation. Dikma Technologies is not affiliated with the above company.

Spursil™ Ordering Information

3µm Microbore Columns (2.1mm ID)						5µm Microbore Columns (2.1mm ID)				
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	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	82033	82003	82007	82002	82009
Spursil C18-EP	82130	82104	82112	82113	82115	82133	82103	82107	82102	82109
3µm Analytical Columns (3.0mm ID)						5µm Analytical Columns (3.0mm ID)				
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0
Spursil C18	82029	82021	82022	82023	82024	82032	82025	82026	82027	82028
Spursil C18-EP	82129	82121	82122	82123	82124	82132	82125	82126	82127	82128
3µm Analytical Columns (4.6mm ID)						5µm Analytical Columns (4.6mm ID)				
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	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	82034	82010	82011	82001	82006
Spursil C18-EP	82131	82116	82117	82118	82120	82134	82110	82111	82101	82106

EasyGuard Holder: Cat# 6220



Leapsil™ HPLC | UHPLC Compatible Columns **NEW**



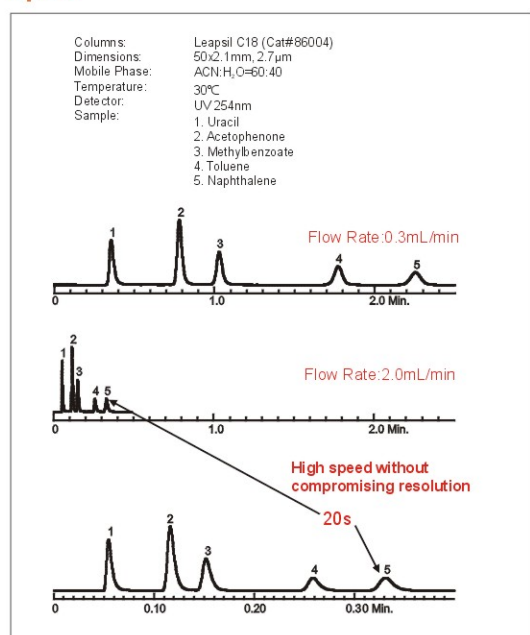
Features of Leapsil™ Columns

- Ultra fast separation without compromising resolution
- Low operating pressure allows higher flow rates
- Compatible with all HPLC and UPLC instruments
- Method development flexibility
- Wide pH stability
- Full spectrum of phases and selectivities

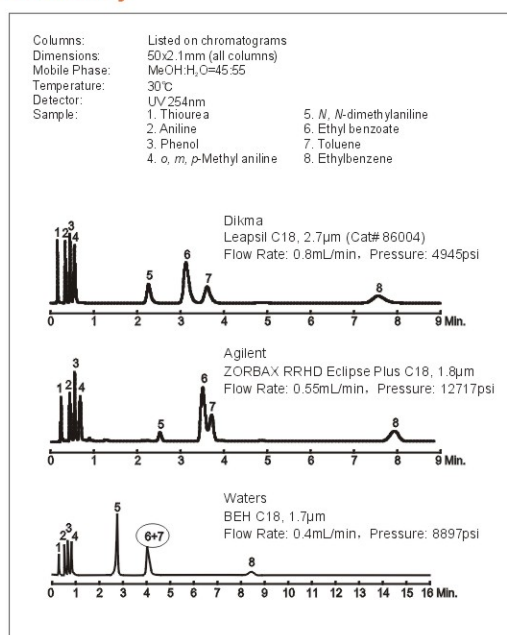
Leapsil™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m ² /g)	Purity (%)	Phase density (µmol/m ²)	Carbon loading (%)	pH range	Endcapping
C18	2.7	100	440	> 99.999	3.9	27	1.5–10	Yes

Speed



Selectivity



* ZORBAX RRHD Eclipse Plus is a registered trademark of Agilent Corporation. Dikma Technologies is not affiliated with the above company.
 * BEH is a registered trademark of Waters Corporation. Dikma Technologies is not affiliated with the above company.

Leapsil™ Ordering Information

2.7µm Microbore Columns (2.1mm ID)			
Phases	50 x 2.1	100 x 2.1	150 x 2.1
Leapsil C18	86004	86005	86006
2.7µm Analytical Columns (3.0mm ID)			
Phases	50 x 3.0	100 x 3.0	150 x 3.0
Leapsil C18	86007	86008	86009
2.7µm Analytical Columns (4.6mm ID)			
Phases	50 x 4.6	100 x 4.6	150 x 4.6
Leapsil C18	86001	86002	86003

Endeavorsil™ 1.8µm UHPLC Columns **NEW**



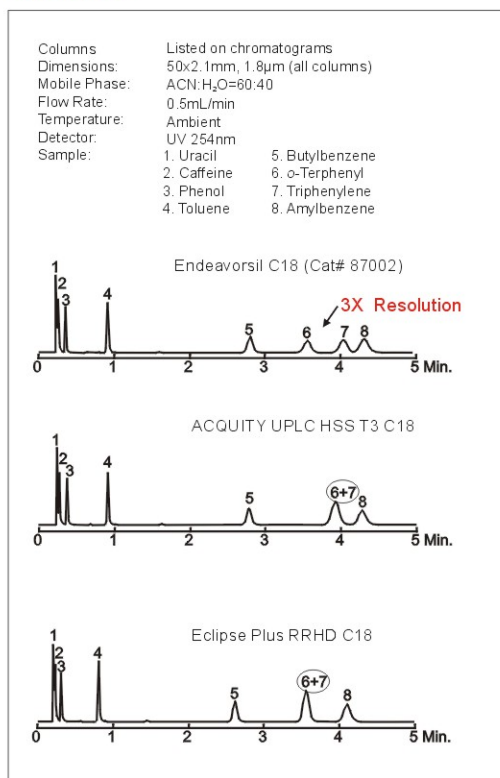
Features of Endeavorsil™ Columns

- Combined speed, resolution and sensitivity
- Reduced analysis time and solvent waste
- High efficiency combined with high selectivity and productivity
- Superior column performance at higher pressure
- Excellent separation characteristics over a wide pH range

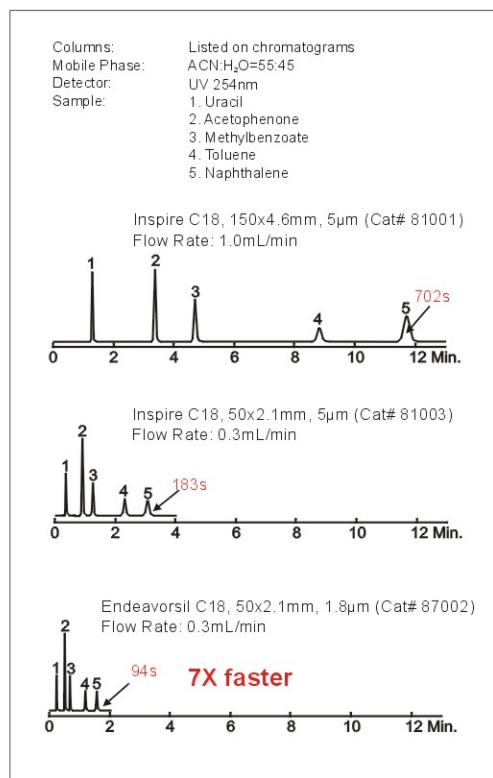
Endeavorsil™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m ² /g)	Purity (%)	Phase density (µmol/m ²)	Carbon loading (%)	pH range	Endcapping
C18	1.8	120	300	> 99.999	3.5	20	1.5–10	Yes

Selectivity



Speed



* Acquity UPLC HSS T3 is a registered trademark of Waters Corporation. Dikma Technologies is not affiliated with the above company.

* Eclipse Plus RRHD is a registered trademark of Agilent Corporation. Dikma Technologies is not affiliated with the above company.

Endeavorsil™ Ordering Information

1.8µm Microbore Columns (2.1mm ID)			
Phases	30 x 2.1	50 x 2.1	100 x 2.1
Endeavorsil C18	87001	87002	87003



Bio-Bond™ Protein and Peptide Separation Columns



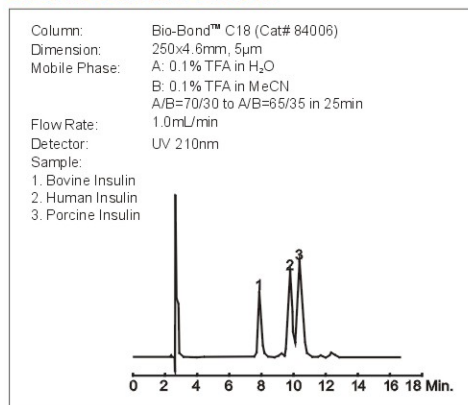
Features of Bio-Bond™ Columns

- Designed to analyze and purify proteins, peptides and biomolecules
- Available with C18, C8 and C4 bonded phases
- Direct scale-up to preparative material
- Outstanding reproducibility, efficiency and column lifetime

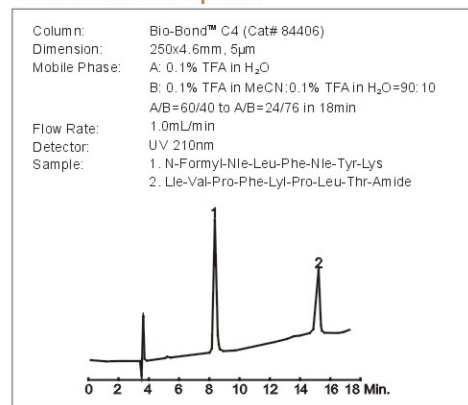
Bio-Bond™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m ² /g)	Purity (%)	Phase density (µmol/m ²)	Carbon loading (%)	pH range	Endcapping
C18	3,5,10	300	100	> 99.999	3.7	8	2.0–8.0	Yes
C8	3,5,10	300	100	> 99.999	4.5	5	2.0–8.0	Yes
C4	3,5,10	300	100	> 99.999	4.4	3	2.0–8.0	Yes

Insulin Genetic Variant



Chemotactic Peptide



Bio-Bond™ Ordering Information

3µm Analytical Columns						Guard Cartridges, 2/pk	
Phases	50 x 2.1	150 x 2.1	50 x 4.6	150 x 4.6	250 x 4.6	For 2.1 ID Column	For 4.6 ID Column
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 Analytical Columns						EasyGuard Holder; Cat# 6220	
Phases	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
5µm & 10µm Semi-preparative Columns							
Phases	Particle Size	250 x 4.6	250 x 10.0	150 x 21.2	250 x 21.2	10 x 10.0	10 x 21.2
Bio-Bond C18	5	84006	84038	84045	84039	6907	6908
Bio-Bond C8	5	84106	84138	84145	84139	6909	6910
Bio-Bond C4	5	84406	84438	84445	84439	6911	6912
Bio-Bond C18	10	84035	84036	84046	84037	6913	6914
Bio-Bond C8	10	84135	84136	84146	84137	6915	6916
Bio-Bond C4	10	84435	84436	84446	84437	6917	6918

10mm EasyGuard Holder; Cat# 6221; 21.2mm EasyGuard Holder; Cat# 6222



Inspire™ HPLC Columns

Inspire™ Columns Ordering Information

3µm Microbore Columns (2.1mm ID)						Guard Cartridges, 2/pk
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1
Inspire C18	81030	81004	81012	81013	81015	6501
Inspire C8	81130	81104	81112	81113	81115	6502
3µm Analytical Columns (3.0mm ID)						
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1
Inspire C18	81029	81021	81022	81023	81024	6501
Inspire C8	81129	81121	81122	81123	81124	6502
3µm Analytical Columns (4.6mm ID)						
Phases	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 Microbore Columns (2.1mm ID)						
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1
Inspire C18	81033	81003	81007	81002	81009	6503
Inspire C8	81133	81103	81107	81102	81109	6504
5µm Analytical Columns (3.0mm ID)						
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1
Inspire C18	81032	81025	81026	81027	81028	6503
Inspire C8	81132	81125	81126	81127	81128	6504
5µm Analytical Columns (4.6mm ID)						
Phases	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

EasyGuard Holder; Cat# 6220

5µm & 10µm Semi-preparative Columns				Guard Cartridges, 2/pk	Guard Cartridges, 2/pk	
Phases	250 x 4.6	250 x 10.0	150 x 21.2	250 x 21.2	10 x 10.0	10 x 21.2
Inspire C18, 5µm	81006	81038	81045	81039	6505	6506
Inspire C8, 5µm	81106	81138	81145	81139	6507	6508
Inspire Diol, 5µm	-	81238	81245	81239	6509	6510
Inspire C18, 10µm	81035	81036	81046	81037	6511	6512
Inspire C8, 10µm	81135	81136	81146	81137	6513	6514
Inspire Diol, 10µm	81235	81236	81246	81237	6515	6516

10mm EasyGuard Holder; Cat# 6221; 21.2mm EasyGuard Holder; Cat# 6222

EasyGuard™ Ordering Information

EasyGuard™ Kit (1 holder and 2 cartridges)		
Description	10 x 2.1mm	10 x 4.0mm
C18	6231	6201
C8	6232	6202
Phenyl	6233	6203
CN	6234	6204
NH ₂	6235	6205
Silica	6236	6206

EasyGuard™ Replacement Cartridges (5/pk)		
Description	10 x 2.1mm	10 x 4.0mm
C18	6241	6211
C8	6242	6212
Phenyl	6243	6213
CN	6244	6214
NH ₂	6245	6215
Silica	6246	6216

EasyGuard™ Guard Column Accessories		
Description	Qty	Cat. No.
10mm EasyGuard Holder Assembly	1/pk	6220
PEEK Fingertight Fitting(Machined Version)	5/pk	90412



About Dikma

Dikma Technologies Inc., established in 1993, is a global technology leader committed to developing novel separation and purification solutions for life sciences and related industries. Our core technology portfolio includes products for liquid chromatography, gas chromatography, sample preparation, and bulk purification chromatographic media. We also provide related chromatography accessories.

Quality

Dikma Technologies Inc. is an ISO 9001:2000 Standard Quality Assessed Company to ensure the quality and reliability of our products and services. We are dedicated to the highest standards of production, quality assurance and quality control.

Value

Dikma Technologies Inc. is committed to bringing maximum value to its customers.



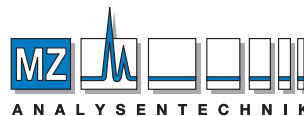
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A reliable partner for your lab

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