

# Accucore HPLC and UHPLC Columns

## Ultimate Core Performance – Speed and Selectivity Combined

Thermo Scientific™ Accucore™ HPLC and UHPLC columns are a family of high speed, high resolution columns based on Core Enhanced Technology™.

- **Next-Generation Accucore Vanquish UHPLC Columns**  
Combines the benefits of a solid core material and the increased chromatographic efficiency of a sub-2 $\mu$ m particle
- **Solid Core Particles**  
With a solid central core and porous outer layer, these particles generate high speed, high resolution separations without excessive backpressure
- **Tight Control of Particle Diameter**  
Enhanced selection process keeps particle size distribution to a minimum and produces high efficiency columns



The Accucore web page contains the latest news, applications and downloads for the Accucore HPLC and UHPLC column range. Visit [www.thermoscientific.com/accucore](http://www.thermoscientific.com/accucore)

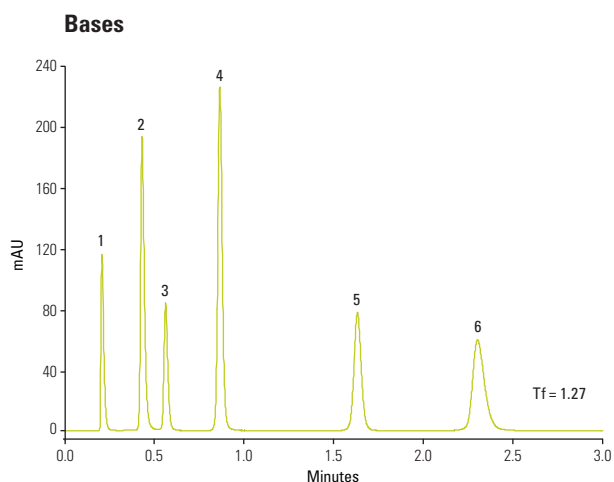
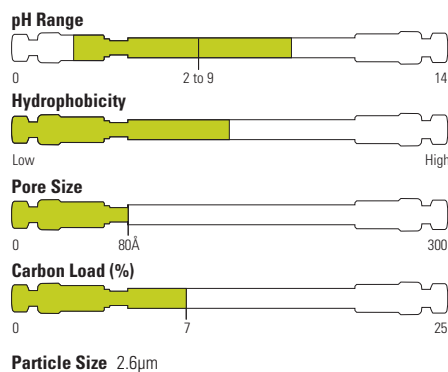
## Accucore RP-MS

- Optimized for MS detection
- Excellent peak shapes
- Excellent combination of speed and efficiency

Accucore RP-MS uses an optimized alkyl chain length for more effective coverage of the silica surface. This coverage results in a significant reduction in non-hydrophobic interactions and thus highly efficient peaks with very low tailing.

RP-MS offers slightly lower retention than C18 and this combined with high efficiencies and low peak tailing make this the phase of choice for use with MS detection.

The selectivity offered by Accucore RP-MS matches that of C18 columns.



### Accucore RP-MS 2.6μm, 50mm x 2.1mm

Mobile Phase:	65% Methanol / 35% 25mM Potassium Phosphate pH7.0
Temperature:	30°C
Flow Rate:	500μL/min
Injection Volume:	1μL
Backpressure:	232 bar
Detection:	UV, 215nm
Analytes:	1. Uracil 2. Propranolol 3. Butylparaben 4. Naphthalene 5. Acenaphthene 6. Amitriptyline

### Accucore RP-MS

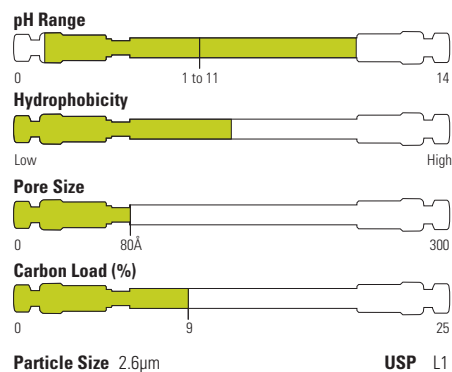
Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17626-012105</b>	<b>17626-013005</b>	<b>17626-014005</b>
	HPLC Column	30	<b>17626-032130</b>	-	-
		50	<b>17626-052130</b>	<b>17626-053030</b>	<b>17626-054630</b>
		100	<b>17626-102130</b>	<b>17626-103030</b>	<b>17626-104630</b>
		150	<b>17626-152130</b>	<b>17626-153030</b>	<b>17626-154630</b>
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore C18

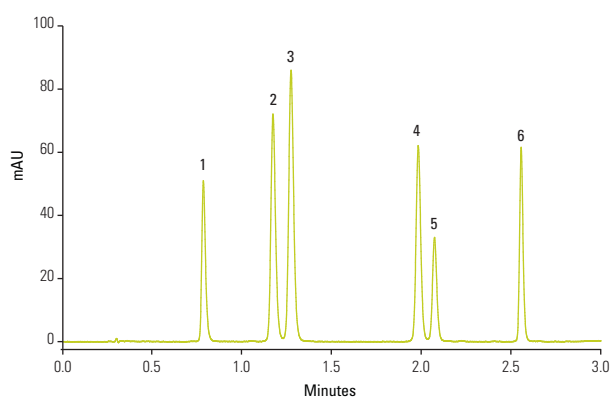
- Optimum retention of non-polar compounds
- Hydrophobic interaction mechanism
- Separates a broad range of analytes

The carbon loading of Accucore C18 phase provides high retention of non-polar analytes via a predominantly hydrophobic interaction mechanism.

The highly retentive nature of Accucore C18 phase means that it can be used to separate a broad range of analytes.



### Triazines



#### Accucore C18 2.6 μm, 50mm x 2.1mm

Mobile Phase A:	Water
Mobile Phase B:	Acetonitrile
Gradient:	Time (min) %B
	1.0 35
	2.5 70
Temperature:	25°C
Flow Rate:	600 μL/min
Injection Volume:	2 μL
Backpressure:	298 bar
Detection:	UV, 280nm
Analytes:	1. Simazine 2. Simetryn 3. Atrazine 4. Ametryn 5. Propazine 6. Prometryn

### Accucore C18

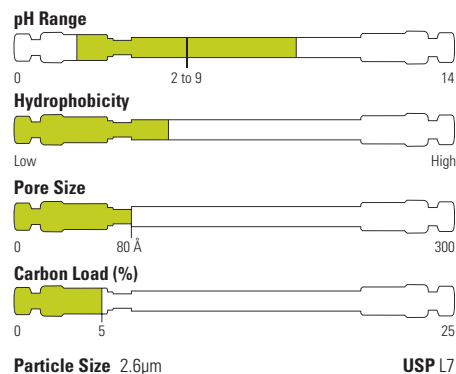
Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17126-012105</b>	<b>17126-013005</b>	<b>17126-014005</b>
	HPLC Column	30	<b>17126-032130</b>	-	-
		50	<b>17126-052130</b>	<b>17126-053030</b>	<b>17126-054630</b>
		100	<b>17126-102130</b>	<b>17126-103030</b>	<b>17126-104630</b>
		150	<b>17126-152130</b>	<b>17126-153030</b>	<b>17126-154630</b>
4	Drop-in Guard (4/pk)	10	<b>74104-012101</b>	<b>74104-013001</b>	<b>74104-014001</b>
	HPLC Column	50	<b>74104-052130</b>	<b>74104-053030</b>	<b>74104-054630</b>
		100	<b>74104-102130</b>	<b>74104-103030</b>	<b>74104-104630</b>
		150	<b>74104-152130</b>	<b>74104-153030</b>	<b>74104-154630</b>
		250	<b>74104-252130</b>	<b>74104-253030</b>	<b>74104-254630</b>
		UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>

## Accucore C8

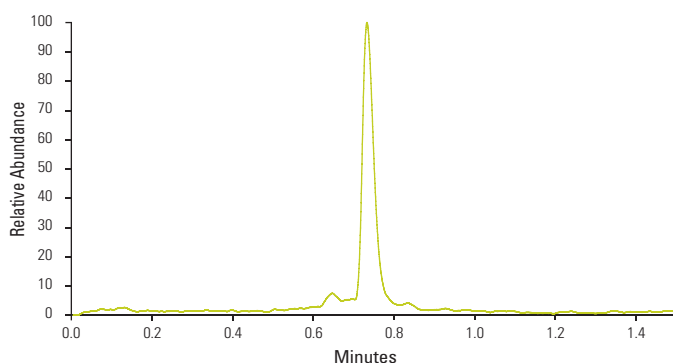
- Lower hydrophobic retention
- Complementary steric selectivity to C18
- Low levels of secondary interactions
- Recommended for moderately polar analytes

Accucore C8 HPLC columns offer lower hydrophobic retention than columns packed with longer alkyl chain length material, such as C18, and are therefore recommended for analytes with medium hydrophobicity or when a less hydrophobic phase provides optimum retention.

The low levels of secondary interactions demonstrated in the phase characterization are the result of excellent bonded phase coverage and allow users of Accucore C8 HPLC columns to benefit from excellent peak shapes.



### Testosterone



#### Accucore C8 2.6µm, 50 x 2.1mm

Mobile Phase A:	Water + 0.1% formic acid
Mobile Phase B:	Acetonitrile + 0.1% formic acid
Gradient:	5–95 % B in 0.8 minutes
Temperature:	60°C
Flow Rate:	1500µL/min
Injection Volume:	5µL
Detection:	ESI-MS/MS

Retention time (tR /min)	0.73
%RSD tR	0.22
%RSD Area	3.01

Data from six injections.

### Accucore C8

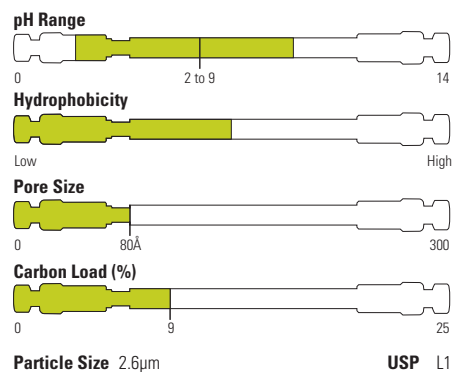
Particle Size (µm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17226-012105</b>	<b>17226-013005</b>	<b>17226-014005</b>
	HPLC Column	30	<b>17226-032130</b>	-	-
		50	<b>17226-052130</b>	<b>17226-053030</b>	<b>17226-054630</b>
		100	<b>17226-102130</b>	<b>17226-103030</b>	<b>17226-104630</b>
		150	<b>17226-152130</b>	<b>17226-153030</b>	<b>17226-154630</b>
4	Drop-in Guard (4/pk)	10	<b>74204-012101</b>	<b>74204-013001</b>	<b>74204-014001</b>
	HPLC Column	50	<b>74204-052130</b>	<b>74204-053030</b>	<b>74204-054630</b>
		100	<b>74204-102130</b>	<b>74204-103030</b>	<b>74204-104630</b>
		150	<b>74204-152130</b>	<b>74204-153030</b>	<b>74204-154630</b>
		250	<b>74204-252130</b>	<b>74204-253030</b>	<b>74204-254630</b>
		UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>

## Accucore aQ

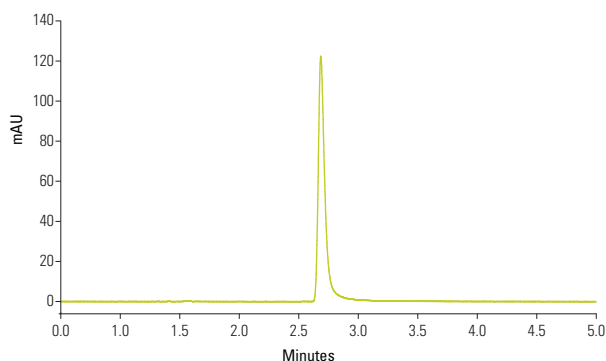
- Retention and resolution of polar analytes
- Polar endcapped C18 stationary phase for alternative selectivity
- Ideal for highly aqueous mobile phases

The polar functional group used to endcap Accucore aQ phase provides an additional controlled interaction mechanism by which polar compounds can be retained and resolved, making the Accucore aQ phase ideal for the quantitative analysis of trace levels of polar analytes.

The wettability of reversed phase media can be increased by the introduction of polar functional groups. The polar endcapping of Accucore aQ media also makes it usable in 100% aqueous mobile phases without the risk of loss of performance or poor stability.



### Lamivudine (USP)



#### Accucore aQ 2.6μm, 50mm x 2.1mm

Mobile Phase: 95:5 (v/v) Ammonium Acetate, pH 3.80 / Methanol

Temperature: 35°C

Flow Rate: 200μL/min

Injection Volume: 1μL

Detection: UV, 277nm

Analytes: Lamivudine

Asymmetry 1.36

%RSD t<sub>r</sub> 0.00

%RSD Peak area 1.72

(%RSD calculated from 6 replicate injections)

USP acceptance criteria: % RSD (t<sub>r</sub>, Peak Area) <2.0

### Accucore aQ

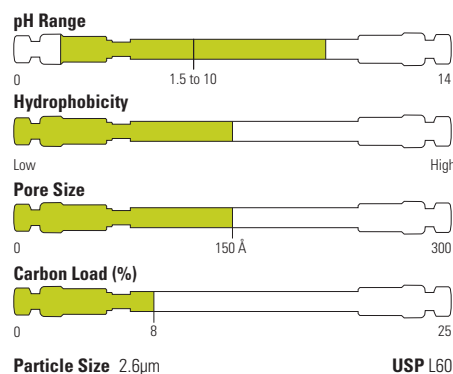
Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17326-012105</b>	<b>17326-013005</b>	<b>17326-014005</b>
	HPLC Column	30	<b>17326-032130</b>	-	-
		50	<b>17326-052130</b>	<b>17326-053030</b>	<b>17326-054630</b>
		100	<b>17326-102130</b>	<b>17326-103030</b>	<b>17326-104630</b>
		150	<b>17326-152130</b>	<b>17326-153030</b>	<b>17326-154630</b>
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore Polar Premium

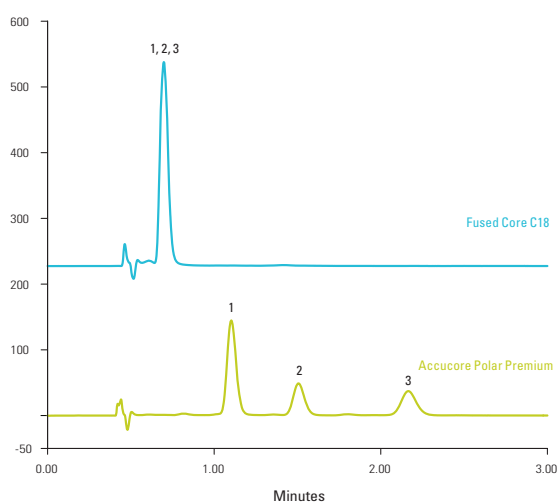
- Rugged amide-embedded C18 phase
- Selectivity complementary to conventional C18 phases
- Stable over a wide pH range and compatible with 100% aqueous mobile phase

Accucore Polar Premium is an exceptionally rugged polar embedded reverse phase material that offers high efficiency, wider operating pH range and unique selectivity complementary to standard C18 phases.

The specially designed bonded phase is stable from pH 1.5 to 10.5 and will not undergo phase collapse in 100% aqueous mobile phase.



### Curcuminoids (Turmeric)



#### Accucore Polar Premium 2.6µm, 100 x 3.0mm Fused Core C18, 100 x 3.0mm

Mobile Phase:	Methanol : 10mM Phosphoric Acid, 80 : 20
Temperature:	40°C
Flow Rate:	800µL/min
Injection Volume:	6µL
Detection:	UV, 428nm
Analytes:	1. Curcumin 2. Desmethoxycurcumin 3. Bis-desmethoxycurcumin

The Accucore Polar Premium HPLC column provides desirable selectivity that resolves the major and minor component under simple isocratic conditions in less than three minutes, while the C18 columns fail to separate these components.

### Accucore Polar Premium

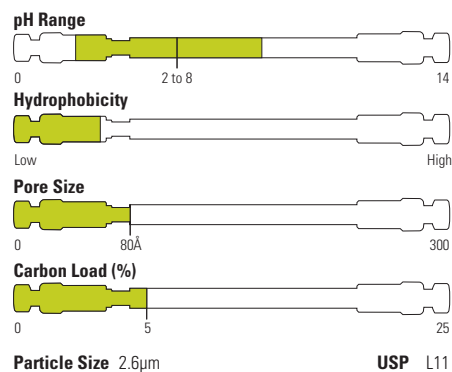
Particle Size (µm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk) HPLC Column	10	<b>28026-012105</b>	-	-
		50	<b>28026-052130</b>	<b>28026-053030</b>	<b>28026-054630</b>
		100	<b>28026-102130</b>	<b>28026-103030</b>	<b>28026-104630</b>
		150	<b>28026-152130</b>	<b>28026-153030</b>	<b>28026-154630</b>
	250	<b>28026-252130</b>	-	-	
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore Phenyl-Hexyl

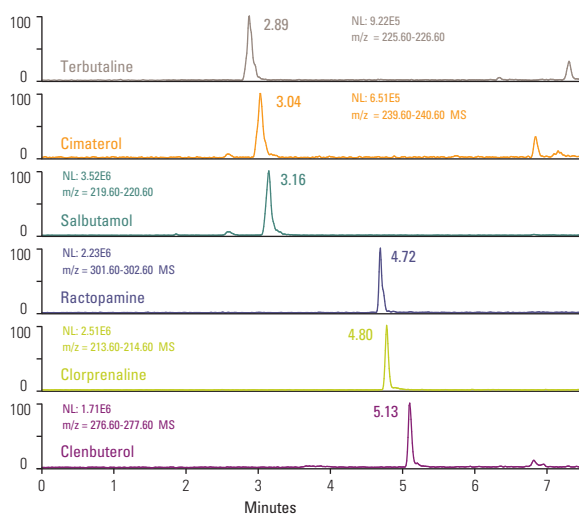
- Mixed-mode selectivity for aromatic and moderately polar analytes
- Enhanced pi-pi interactions with aromatics
- Moderate hydrophobicity

The C6 chain in Accucore Phenyl-Hexyl phase exhibits classical RP retention and selectivity, while the phenyl ring can add special selectivity by interacting with polar groups within the solutes. This results in a mixed-mode separation mechanism. The reduced hydrophobicity of this phase makes it ideal for the separation of very non-polar compounds.

The Phenyl-Hexyl phase should be selected for complex samples where some peaks are well resolved on a conventional alkyl phases, but are not well resolved on a conventional phenyl phase, or when other peaks are well resolved on a phenyl phase, but not well resolved on a conventional alkyl phase.



### Beta-agonists



### Accucore Phenyl-Hexyl 2.6µm, 100mm x 2.1mm

Mobile Phase A:	Ammonium Acetate 5mM, pH 4
Mobile Phase B:	Acetonitrile
Gradient:	Time (min) %B
	0 5
	1 5
	10 100
Temperature:	40°C
Flow Rate:	0.25mL/min
Injection Volume:	1µL
Backpressure:	120 bar (at t0)
Detection:	+ESI-MS (45°C, 4.5kV, 60V, scan 150 – 350)

### Accucore Phenyl-Hexyl

Particle Size (µm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17926-012105</b>	<b>17926-013005</b>	<b>17926-014005</b>
		30	<b>17926-032130</b>	-	-
	HPLC Column	50	<b>17926-052130</b>	<b>17926-053030</b>	<b>17926-054630</b>
		100	<b>17926-102130</b>	<b>17926-103030</b>	<b>17926-104630</b>
		150	<b>17926-152130</b>	<b>17926-153030</b>	<b>17926-154630</b>
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

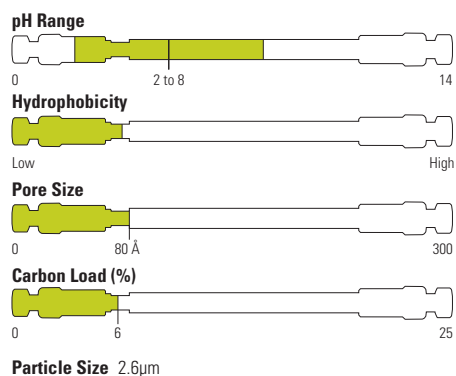
## Accucore Phenyl-X

- Unique reversed-phase shape selectivity
- Enhanced selectivity for aromatic compounds
- Compatible with highly aqueous mobile phases
- Robust, high-efficiency, low column bleed

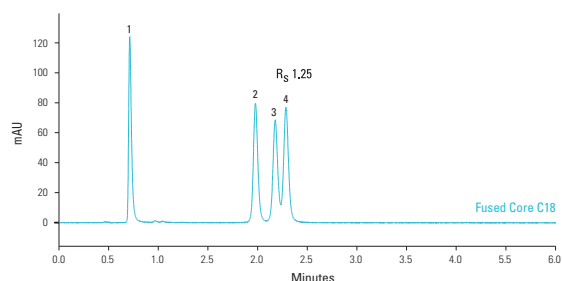
The proprietary Accucore Phenyl-X alkyl aromatic bonded phase provides a unique selectivity when compared to other reversed phase materials such as C18 or Phenyl.

The advanced design of the bonded phase makes it compatible with highly aqueous mobile phases and robust, demonstrating very low bleed.

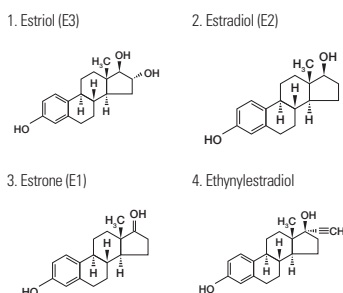
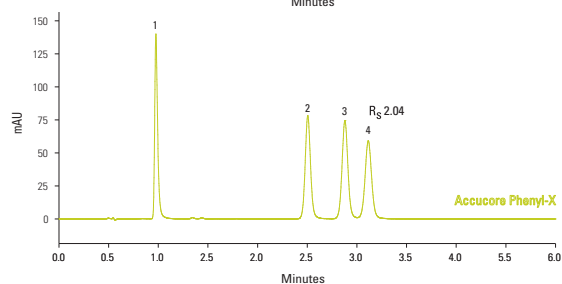
Phenyl-X exhibits particularly high aromatic selectivity.



### Estrogens



**Accucore Phenyl-X 2.6μm, 100 x 2.1mm**  
**Fused Core C18, 100 x 2.1mm**  
 Mobile Phase: 15:40:45 (v/v/v) Acetonitrile:Methanol:Water  
 Temperature: 40°C  
 Flow Rate: 400μL/min  
 Injection Volume: 1μL  
 Detection: UV, 220nm



### Accucore Phenyl-X

Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>27926-012105</b>	-	-
	HPLC Column	50	<b>27926-052130</b>	<b>27926-053030</b>	<b>27926-054630</b>
		100	<b>27926-102130</b>	<b>27926-103030</b>	<b>27926-104630</b>
		150	<b>27926-152130</b>	<b>27926-153030</b>	<b>27926-154630</b>
		250	<b>27926-252130</b>	-	-
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

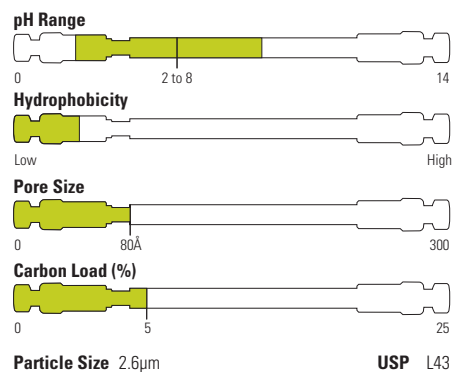


## Accucore PFP

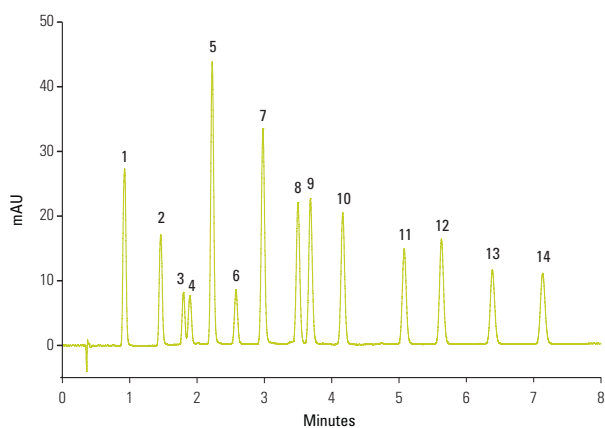
- Alternative selectivity to C18
- Extra retention for halogenated species
- Unique selectivity for non-halogenated polar compounds

The introduction of fluorine groups into the Accucore PFP (pentafluorophenyl) stationary phase causes significant changes in solute-stationary phase interactions. This can lead to extra retention and selectivity for positional isomers of halogenated compounds.

PFP Columns are also well suited to the selective analysis of non-halogenated compounds, in particular polar compounds containing hydroxyl, carboxyl, nitro, or other polar groups. High selectivity is often most apparent when the functional groups are located on an aromatic or other rigid ring system.



### Positional isomers



#### Accucore PFP 2.6μm, 50mm x 2.1mm

Mobile Phase A:	0.1% Formic Acid in Water
Mobile Phase B:	0.1% Formic Acid in Acetonitrile
Gradient:	15-30%B in 7 minutes
Temperature:	50°C
Flow Rate:	600μL/min
Injection Volume:	2μL
Detection:	UV, 270nm
Analytes:	1. 3,4 – Dimethoxyphenol 2. 2,6 – Dimethoxyphenol 3. 2,6 – Difluorophenol 4. 3,5 – Dimethoxyphenol 5. 2,4 – Difluorophenol 6. 2,3 – Difluorophenol 7. 3,4 – Difluorophenol 8. 3,5 – Dimethylphenol 9. 2,6 – Dimethylphenol 10. 2,6 – Dichlorophenol 11. 4 – Chloro-3-Methylphenol 12. 4 – Chloro-2-Methylphenol 13. 3,4 – Dichlorophenol 14. 3,5 – Dichlorophenol

### Accucore PFP

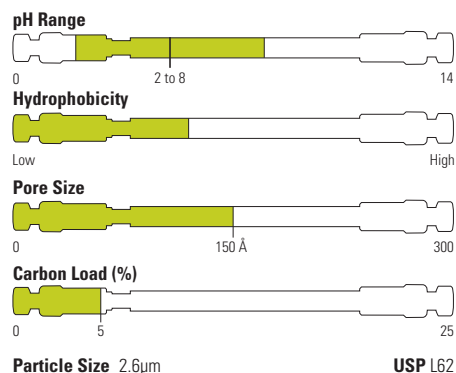
Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17426-012105</b>	<b>17426-013005</b>	<b>17426-014005</b>
	HPLC Column	30	<b>17426-032130</b>	-	-
		50	<b>17426-052130</b>	<b>17426-053030</b>	<b>17426-054630</b>
		100	<b>17426-102130</b>	<b>17426-103030</b>	<b>17426-104630</b>
		150	<b>17426-152130</b>	<b>17426-153030</b>	<b>17426-154630</b>
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore C30

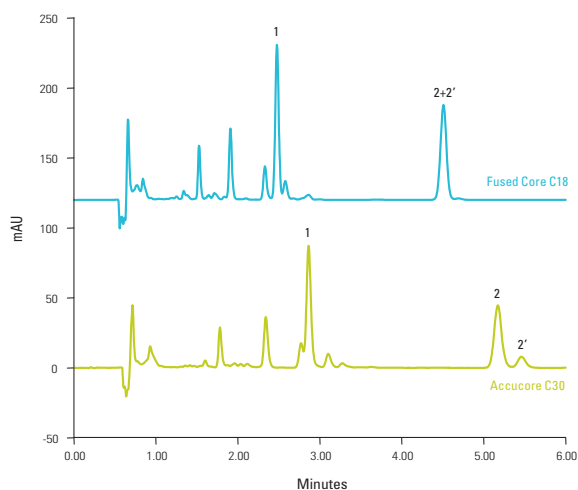
- Ideal for separation of hydrophobic, long alkyl chain compounds
- High shape selectivity for structurally related isomers
- Excellent aqueous-compatibility

Accucore C30 offers high shape selectivity for hydrophobic, long chain, structurally related isomers, for example carotenoids and steroids. This is a different form of shape selectivity from that measured in the steric selectivity phase characterisation test.

It is also an excellent alternative to normal-phase columns for lipid analysis. The optimized bonding density of the long alkyl chains facilitated by a wider pore diameter particle result in a phase that is stable even in highly aqueous mobile phases.



### Vitamin K isomers



Chromatogram showing the separation of Vitamin K compounds  
Minutes 1-Vitamin K2, 2-Vitamin K1 (trans isomer), 2'-Vitamin K1 (cis isomer)

#### Accucore C30 2.6µm, 100 x 3.0mm Fused Core C18, 100 x 3.0mm

Mobile Phase: Methanol: 2mM Ammonium Acetate, 98:2  
 Temperature: 20°C  
 Flow Rate: 650µL/min  
 Injection Volume: 5µL  
 Detection: UV, 250nm  
 Accucore C30 shows better separation for vitamin K1 isomers than the C18 column.

### Accucore C30

Particle Size (µm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>27826-012105</b>	-	-
	HPLC Column	50	<b>27826-052130</b>	<b>27826-053030</b>	<b>27826-054630</b>
		100	<b>27826-102130</b>	<b>27826-103030</b>	<b>27826-104630</b>
		150	<b>27826-152130</b>	<b>27826-153030</b>	<b>27826-154630</b>
		250	<b>27826-252130</b>	-	-
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

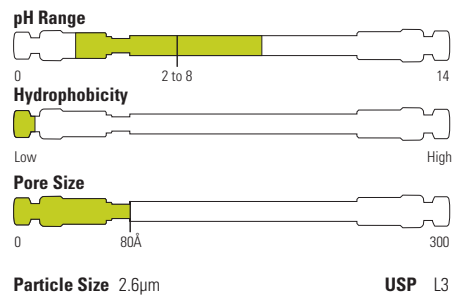
## Accucore HILIC

- Enhanced retention of polar and hydrophilic analytes
- Alternative selectivity to C18 without ion-pair or derivatization

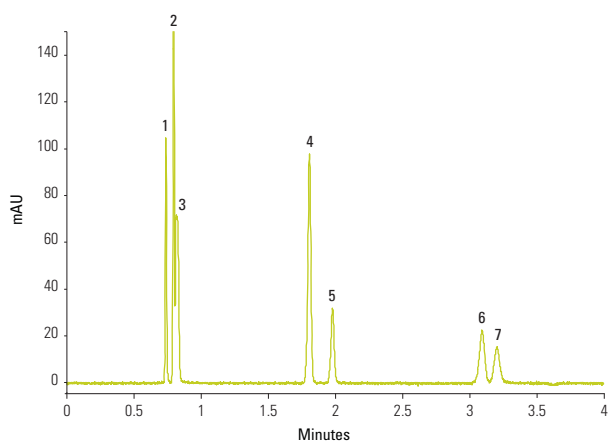
In HILIC mode the separation occurs through two mechanisms. The primary mechanism is a partitioning effect due to the enriched water layer around the polar or charged substrate material. The secondary mechanism involves interaction between the analyte and the active surface moiety.

Analyte properties that govern retention with HILIC phases are acidity/basicity, which determines hydrogen bonding, and polarizability which determines dipole-dipole interactions.

The highly organic mobile phases used with Accucore HILIC phase ensure efficient desolvation in ESI MS detection, which in turn leads to improved sensitivity.



### Catecholamines



#### Accucore HILIC 2.6µm, 50mm x 2.1mm

Mobile Phase:	85:15 Acetonitrile:100mM Ammonium Formate, pH 3.2
Temperature:	40°C
Flow Rate:	2mL/min
Injection Volume:	5µL
Backpressure:	157 bar
Detection:	UV, 280nm
Analytes:	1. Catechol 2. 5-HIAA 3. DOPAC 4. Serotonin 5. L-tyrosine 6. Dopamine 7. L-DOPA

### Accucore HILIC

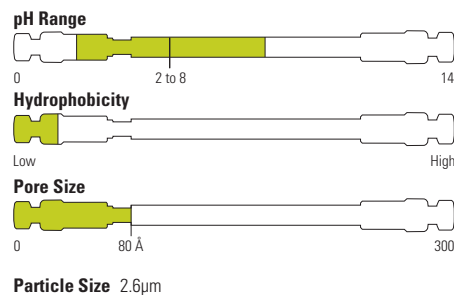
Particle Size (µm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>17526-012105</b>	<b>17526-013005</b>	<b>17526-014005</b>
	HPLC Column	30	<b>17526-032130</b>	-	-
		50	<b>17526-052130</b>	<b>17526-053030</b>	<b>17526-054630</b>
		100	<b>17526-102130</b>	<b>17526-103030</b>	<b>17526-104630</b>
		150	<b>17526-152130</b>	<b>17526-153030</b>	<b>17526-154630</b>
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore Urea-HILIC

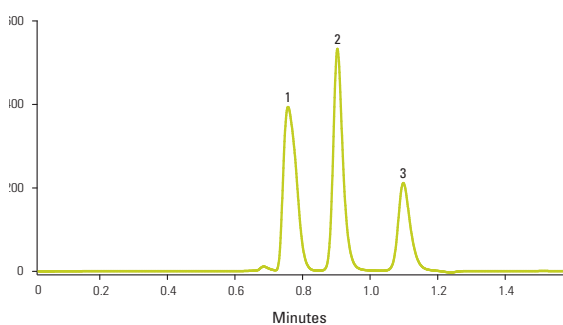
- Bonded hydrophilic stationary phase
- Unique selectivity compared to other HILIC phases
- Low ion exchange activity

Accucore Urea-HILIC has an alternative selectivity and lower ion exchange activity than other HILIC phases.

The bonded hydrophilic stationary phase provides retention of a broad range of polar analytes using up to 20% aqueous mobile phase.



### Analgesic compounds



#### Accucore Urea-HILIC 2.6 μm, 100 x 2.1mm

Mobile Phase:	Composition 10:80:10, A : B : C
	A: Water
	B: Acetonitrile
	C: 100 mM Ammonium Acetate adjusted to pH 4.9
Temperature:	35°C
Flow Rate:	300 μL/min
Injection Volume:	2 μL into 10 μL partial loop mode.
Backpressure:	71 bar
Detection:	UV, 230nm

	1. Acetaminophen			2. Salicylic acid			3. Aspirin		
	t <sub>R</sub>	A <sub>s</sub>	R <sub>s</sub>	t <sub>R</sub>	A <sub>s</sub>	R <sub>s</sub>	t <sub>R</sub>	A <sub>s</sub>	R <sub>s</sub>
Mean	0.760	1.474	0.908	1.303	2.359	1.100	1.318	3.264	
CV %	0.00	1.17	0.48	0.92	0.49	0.00	0.63	0.48	

Data from eight replicate analyses of a mixture of acetaminophen, salicylic acid and aspirin

Retention time (t<sub>R</sub>), peak asymmetry (A<sub>s</sub>), peak resolution (R<sub>s</sub>)

### Accucore Urea-HILIC

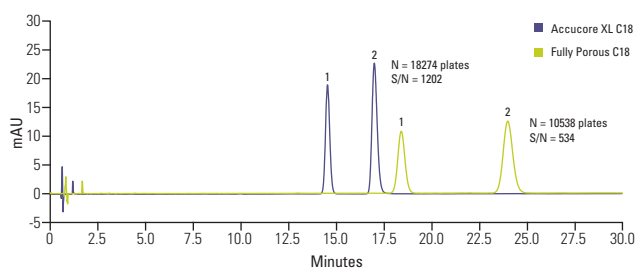
Particle Size (μm)	Format	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
2.6	Defender Guard (4/pk)	10	<b>27726-012105</b>	-	-
	HPLC Column	50	<b>27726-052130</b>	<b>27726-053030</b>	<b>27726-054630</b>
		100	<b>27726-102130</b>	<b>27726-103030</b>	<b>27726-104630</b>
		150	<b>27726-152130</b>	<b>27726-153030</b>	<b>27726-154630</b>
		250	<b>27726-252130</b>	-	-
	UNIGUARD Drop-in Guard Cartridge Holder	10	<b>852-00</b>	<b>852-00</b>	<b>850-00</b>

## Accucore XL C18

- Optimum retention of non-polar compounds
- Hydrophobic interaction mechanism
- Separates a broad range of analytes

The carbon loading of Accucore XL C18 provides high retention of non-polar analytes via a predominantly hydrophobic interaction mechanism.

### Ibuprofen and Valerophenone (USP)

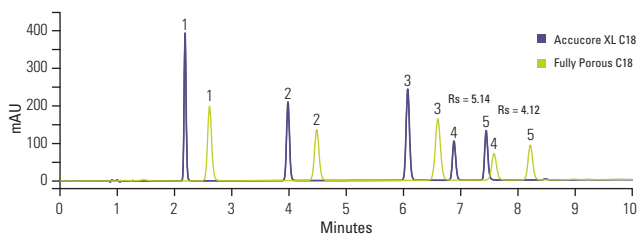


## Accucore XL C8

- Similar selectivity to C18 with lower retention
- Recommended for analytes with moderate hydrophobicity

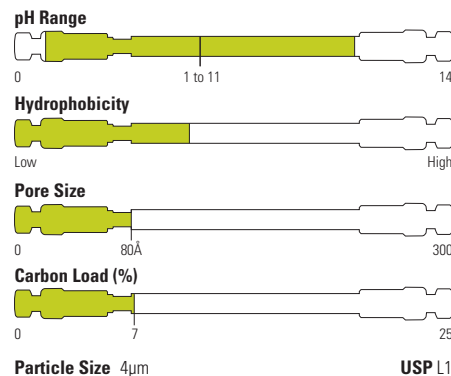
Accucore XL C8 is recommended for analytes with moderate hydrophobicity, or when a less hydrophobic phase provides optimum retention.

### Endocrine Disruptors



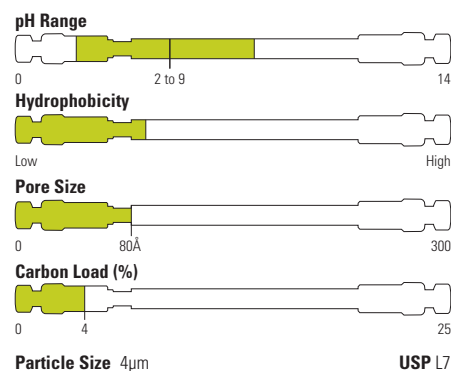
### Accucore XL

Particle Size (µm)	Format	Chemistry	Length (mm)	2.1mm ID	3.0mm ID	4.6mm ID
4	Drop-in Guard (4/pk)	C18	10	<b>74104-012101</b>	<b>74104-013001</b>	<b>74104-014001</b>
			50	<b>74104-052130</b>	<b>74104-053030</b>	<b>74104-054630</b>
			100	<b>74104-102130</b>	<b>74104-103030</b>	<b>74104-104630</b>
	HPLC Column	150	<b>74104-152130</b>	<b>74104-153030</b>	<b>74104-154630</b>	
		250	<b>74104-252130</b>	<b>74104-253030</b>	<b>74104-254630</b>	
4	Drop-in Guard (4/pk)	C8	10	<b>74204-012101</b>	<b>74204-013001</b>	<b>74204-014001</b>
			50	<b>74204-052130</b>	<b>74204-053030</b>	<b>74204-054630</b>
			100	<b>74204-102130</b>	<b>74204-103030</b>	<b>74204-104630</b>
	HPLC Column	150	<b>74204-152130</b>	<b>74204-153030</b>	<b>74204-154630</b>	
		250	<b>74204-252130</b>	<b>74204-253030</b>	<b>74204-254630</b>	



### Accucore XL C18 4µm, 150 x 4.6mm Fully porous C18 5µm, 150 x 4.6mm

Mobile Phase:	66.3:33.7 (v/v) Water with Phosphoric Acid, pH 2.5:Methanol
Temperature:	30°C
Flow Rate:	2mL/min
Injection Volume:	5µL
Detection:	UV, 214nm
Analytes:	1. Valerophenone 2. Ibuprofen



### Accucore XL C8 4µm, 150 x 4.6mm Fully porous C8 5µm, 150 x 4.6mm

Mobile Phase A:	Water
Mobile Phase B:	Acetonitrile
Gradient:	Time (min) % B
	0.0 25
	20.0 70
	20.1 75
	25.0 25
Flow rate:	1.5mL/min
Temperature:	25°C
Detection:	UV at 220nm
Injection volume:	5µL
Analytes:	1.Desethyl Atrazine 3.Atrazine 2.Simazine 4.Diuron 5.Bisphenol A