



The Prevail range of HPLC columns were developed by Alltech. Hichrom acquired this range from Grace. The Prevail range exhibits long lifetimes in both highly aqueous and highly organic mobile phases. The stability of these phases is such that a single column can be switched between highly aqueous, for analysis of highly polar analytes, and highly organic, for strong retention of hydrophobic analytes.

## Key Features

- Stable from highly organic to highly aqueous
- Speciality phases for specific applications
- Excellent sensitivity with microbore and ELSD applications

## Prevail Phase Specifications

Phase	Particle size / $\mu\text{m}$	Properties	Applications	USP code
C18	3, 5	Stable in highly aqueous to highly organic mobile phases	Flexibility to switch between varied mobile phase conditions to suit a variety of applications. Excellent sensitivity for microbore applications	L1
C18-Select	3, 5	Stable in highly aqueous to highly organic mobile phases	Suitable for applications where greater retention than the Prevail C18 is required	L1
C8	5	Stable C8 phase	Use for highly hydrophobic compounds that retain too strongly on C18	L7
Phenyl	5	Lowest hydrophobic capacity	Selective for aromatic compounds in a variety of mobile phase conditions	L11
Cyano	3, 5	General purpose cyano suitable for normal or reversed-phase use	Rugged normal phase applications	L10
Amino	3, 5	Stable in highly aqueous to highly organic mobile phases	Use for carbohydrates or as a weak anion exchanger	L8
Amide	5	Polar embedded phase	Suitable for use with highly aqueous mobile phases	—
Silica	3, 5	Highly polar phase	General purpose normal phase applications	L3
Organic acid	3, 5	Highly efficient silica-based, acid-stable phase	Separates common organic acids with unsurpassed resolution, speed and sensitivity. Lower cost than polymeric columns	—

## Prevail Organic Acid

Prevail Organic Acid columns are silica-based for maximum efficiency and high resolution. They can separate common organic acids with a combination of speed, sensitivity, and simplicity. A simple acidic phosphate buffer and a Prevail OA column at ambient temperature will separate 11 short chain organic acids in less than 6 minutes. The retention profile can be readily adjusted by changing the mobile phase pH.

## Prevail Carbohydrate ES

The Prevail Carbohydrate ES column was discontinued by Grace prior to the acquisition of the Prevail range by Hichrom. Please contact our technical team on +44 (0)118 930 3660 or [technical@hichrom.co.uk](mailto:technical@hichrom.co.uk) to discuss suitable alternatives for your application.

## Ordering Information

### Analytical Columns

#### 3 $\mu\text{m}$

Length / mm	20			50		100		150		Guard cartridges (3/pk) <sup>1</sup>
i.d. / mm	2.1	2.1	4.6	2.1	4.6	2.1	3.0	4.6	For 2.1	
C18	43827	43818	43829	43871	99202	99200	99322	99204	96683/N	
C18-Select	—	99309	—	99312	99302	99313	99315	99303	96691/N	
Cyano	—	—	—	—	—	99243	—	99247	—	
Amino	—	—	—	—	99257	99255	—	99259	—	
Silica	—	—	—	43805	—	—	99341	99271	—	
Organic acid	—	—	—	88648	—	—	—	88655	—	

<sup>1</sup>To be used with All-Guard cartridge holder (80101/N) and column coupler (HI-081).

**88755** – Prevail Organic Acid, 3  $\mu\text{m}$ , 150 x 4.6 mm (compatible with Waters instruments)



### 3 µm – Rocket Columns

Rocket columns are specifically designed for high-throughput and high-speed methods.

Length / mm	33	53
i.d. / mm	7	7
C18	99280	99279
C18-Select	99304	99305
Organic Acid	–	50755

For column dimensions not listed here,  
please contact  
**+44 (0)118 930 3660** or  
**technical@hichrom.co.uk**  
to discuss your requirements

### 5 µm

Length / mm	50	100	125	150			250		Guard cartridges (3/pk) <sup>1</sup>	
	i.d. / mm	4.6	4.6	4.6	2.1	3.0	4.6	3.0	4.6	For 2.1
C18	43903	–	PRE-5C18-125D	99206	99320	99208	99321	99210	96682/N	99286/N
C18-Select	–	–	–	–	99316	99300	99317	99301	96690/N	96455/N
C8	–	–	–	99218	–	99224	5131428	99229	99128/N	99287/N
Phenyl	–	–	–	99237	99326	99239	99327	99241	99130/N	99288/N
Cyano	–	–	–	–	99329	99251	–	99253	99131/N	99353/N
Amino	–	–	–	99261	–	99263	–	99265	99135/N	99290/N
Amide	–	PRE-5AM-100D	–	–	–	88660	–	88665	–	–
Silica	–	–	–	99273	99339	99275	99340	99277	99133/N	99354/N
Organic acid	–	–	–	–	–	88640	PRE-50A-250DT	88645	–	96429/N

<sup>1</sup>To be used with All-Guard cartridge holder (80101/N) and column coupler for All-Guard cartridges (HI-081).

### 5 µm – Columns Compatible with Waters Instruments

Length / mm	150	250	Guard cartridges (3/pk) <sup>1</sup>
i.d. / mm	4.6	4.6	For 3.0-4.6
C18	99209	99211	99286/N
Organic Acid	88740	88745	96429/N

<sup>1</sup>To be used with All-Guard cartridge holder (80101/N) and column coupler for All-Guard cartridges (Waters type column port: HI-881).

### Semi-preparative and Preparative Columns

#### 5 µm

Length / mm	150		250
	i.d. / mm	22	10
C18	99296	99294	99297