

## HPLC for Small Molecules

Discovery®: Discovery® HS C18

I.D. (mm)	L (cm)	Cat. No.	Qty
10	15	568532-U	1 ea
10	25	568533-U	1 ea
21.2	5	568540-U	1 ea
21.2	10	568541-U	1 ea
21.2	15	568542-U	1 ea
21.2	25	568543-U	1 ea
<b>particle size 10 µm</b>			
10	10	568631-U	1 ea
10	15	568632-U	1 ea
10	25	568633-U	1 ea
21.2	25	568643-U	1 ea
50	25	577521-U	1 ea

## Discovery® HS C18 Supelguard™ Guard Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
<b>particle size 3 µm</b>			
2.1	2	569276-U	2 ea
2.1	2	569277-U	1 kit
4.0	2	569274-U	2 ea
4.0	2	569275-U	1 kit
<b>particle size 5 µm</b>			
2.1	2	568570-U	2 ea
2.1	2	568571-U	1 kit
4.0	2	568572-U	2 ea
4.0	2	568573-U	1 kit
10	1	568574-U	1 ea
<b>particle size 10 µm</b>			
10	1	568674-U	1 ea

Kit includes one cartridge, a stand-alone holder, a piece of tubing, 2 nuts and ferrules.

## Discovery® C18

## Discovery® C18 HPLC Column

Use Discovery® C18 for any method that specifies a C18. The exceptional peak shape, reproducibility, and stability make it the column of choice for all C18 methods from demanding to routine.

## Features and Benefits

- Excellent reproducibility
- Exceptional peak shape for basic and acidic analytes
- Stable, low-bleed LC-MS separations
- Separation of peptides and small proteins
- Lower hydrophobicity than many comparable C18 columns, providing faster analysis

suitable for L1 per USP

loading .....	12% Carbon
particle platform .....	silica gel, high purity, spherical
phase .....	octadecyl
surface coverage .....	3 µmol/m <sup>2</sup>
metals .....	<10 ppm
surface area .....	200 m <sup>2</sup> /g
endcapped .....	Yes
pore size .....	180 Å
operating pH range .....	2 - 8
temp. range .....	≤70 °C

I.D. (mm)	L (cm)	Cat. No.	Qty
<b>particle size 5 µm</b>			
2.1	2	577507-U	1 ea
2.1	3	577508-U	1 ea
2.1	5	50494721	1 ea
2.1	10	569220-U	1 ea
2.1	12.5	569229-U	1 ea
2.1	15	50495521	1 ea

I.D. (mm)	L (cm)	Cat. No.	Qty
3.0	2	577509-U	1 ea
3.0	3	577510-U	1 ea
3.0	5	504947-30	1 ea
3.0	10	569221-U	1 ea
3.0	12.5	569230-U	1 ea
3.0	15	504955-30	1 ea
3.0	25	504971-30	1 ea
4.0	5	504947-40	1 ea
4.0	10	569222-U	1 ea
4.0	12.5	569231-U	1 ea
4.0	15	504955-40	1 ea
4.0	25	504971-40	1 ea
4.6	5	504947	1 ea
4.6	10	569223-U	1 ea
4.6	12.5	569232-U	1 ea
4.6	15	504955	1 ea
4.6	25	504971	1 ea
10	25	569224-U	1 ea
21.2	25	569226-U	1 ea
2.1	25	569234-U	1 ea

## Discovery® C18 Supelguard™ Guard Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
<b>particle size 5 µm</b>			
2.1	2	505188	2 ea
2.1	2	505161	1 kit
3.0	2	59576-U	2 ea
3.0	2	59575-U	1 kit
4.0	2	505137	2 ea
4.0	2	505129	1 kit
10	1	569283-U	1 ea

Kit includes one cartridge, a stand-alone holder, a piece of tubing, 2 nuts and ferrules.

## Discovery® C18 Validation Pack

I.D. (mm)	L (cm)	Cat. No.	Qty
<b>particle size 5 µm</b>			
2.1	5	55700-U21	3 ea
4.6	5	55700-U	3 ea
4.6	25	55704-U	3 ea

Pack includes 3 columns, each from a different lot of bonded phase.

## Discovery® C8

## Discovery® C8 HPLC Column

## Features and Benefits

- Excellent reproducibility
- Faster separation of strongly hydrophobic analytes than C18 columns
- Stable, low-bleed LC-MS separations
- Exceptional peak shapes for basic and acidic compounds
- Compatible with low organic/highly aqueous mobile phases

suitable for L7 per USP

loading .....	7.5% Carbon
base material .....	silica gel, high purity, spherical
phase .....	octyl
surface coverage .....	3.4 µmol/m <sup>2</sup>
metals .....	<10 ppm
surface area .....	200 m <sup>2</sup> /g
endcapped .....	Yes
pore size .....	180 Å
operating pH range .....	2 - 8
temp. range .....	≤70 °C