

HPLC for Small Molecules

SUPELCOSM: Polar Phases

SUPELCOSM ABZ+Plus HPLC Column (continued)

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 12 μ m			
4.6	25	59156	1 ea
21.2	25	59174	1 ea

SUPELCOSM ABZ+Plus SupelguardSM Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
2.1	2	59605	2 ea
2.1	2	59604	1 kit
3.0	2	59535C30	2 ea
4.0	2	59535-U	2 ea
4.0	2	59534-U	1 kit

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

SUPELCOSM LC-ABZ HPLC Column

SUPELCOSM LC-ABZ phase has a unique deactivation technology which provides excellent reversed-phase performance for basic compounds, as well as those that are acidic, polar neutral, and non-polar. Silanol suppressing practices such as using competing amines, operating at high ionic strength, and adjusting mobile phases to pH extremes are typically not required to obtain good peak shape on the LC-ABZ phase.

Features and Benefits

- For acids, bases, zwitterions
- Increased polar retention relative to standard reversed-phases
- Unique selectivity
- Silanol deactivation
- Peak shape, efficiency, and retention are comparable to C8 phases for non-polar analytes

loading	12.0% carbon
particle platform	silica gel, spherical
phase	alkylamide
surface coverage	3.4 μ mol/m ²
surface area	170 m ² /g
endcapped	Yes
pore size	120 Å
pH-range	2 - 7.5
temp. limit	≤70 °C

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
2.1	25	57936	1 ea
3.0	5	59141C30	1 ea
3.0	15	59140C30	1 ea
3.0	25	59142C30	1 ea
4.0	25	59142C40	1 ea
4.6	5	59141	1 ea
4.6	15	59140-U	1 ea
4.6	25	59142	1 ea
10	25	59170	1 ea

SUPELCOSM LC-ABZ SupelguardSM Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
2.1	2	59611	2 ea
2.1	2	59610	1 kit
3.0	2	59545C30	2 ea
4.0	2	59545-U	2 ea
4.0	2	59544-U	1 kit

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

SUPELCOSM SuplexSM pKb-100 HPLC Column

Suplex pKb-100 columns feature the same bonded phase functionality as SUPELCOSM LC-ABZ columns. These specially deactivated columns differ in that Suplex pKb-100 is not endcapped, while SUPELCOSM LC-ABZ is endcapped. The absence of the end-capping reagent results in better performance from Suplex pKb-100 for the strongest basic compounds, while LC-ABZ is preferred when the sample also contains acids and/or zwitterions.

loading	12.5% carbon
particle platform	silica gel, spherical
phase	alkylamide
surface coverage	3.4 μ mol/m ²
surface area	170 m ² /g
endcapped	No
pore size	120 Å
pH-range	2 - 7.5
temp. range	≤70 °C

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
2.1	25	57937	1 ea
3.0	25	58934C30	1 ea
4.0	25	58934C40	1 ea
4.6	5	58921-U	1 ea
4.6	15	58932	1 ea
4.6	25	58934	1 ea
10	25	59172	1 ea

SUPELCOSM SuplexSM pKb-100 SupelguardSM Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
2.1	2	59609	2 ea
2.1	2	59608	1 kit
4.0	2	59541-U	2 ea
4.0	2	59531-U	1 kit

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

SUPELCOSM LC-F HPLC Column

SUPELCOSM LC-F columns contain a pentafluorophenyl functional group/ endcapped packing material. These columns offer selectivities different from traditional reversed-phase columns for halogenated compounds, esters, ketones, bases, and taxanes, including taxol.

suitable for L43 per USP

loading	5% Carbon
particle platform	silica gel, spherical
phase	pentafluorophenylamido
surface coverage	2.6 μ mol/m ²
surface area	170 m ² /g
endcapped	Yes
pore size	120 Å
pH-range	2 - 7.5
temp. limit	≤70 °C

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
4.0	25	59158C40	1 ea
4.6	25	59158	1 ea

SUPELCOSM LC-F SupelguardSM Cartridge

I.D. (mm)	L (cm)	Cat. No.	Qty
particle size 5 μ m			
4.0	2	59521	2 ea
4.0	2	59520	1 kit

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