

CAPCELL PAK C18 KG



The Highest durability grade in CAPCELL PAK series

Features

- High durability achieved through **improved raw material silica gel** and **new polymer coating technology**
- Expanded pH range (**Usable range pH 1 – 12**)
- Designed for the wide-ranging analysis conditions

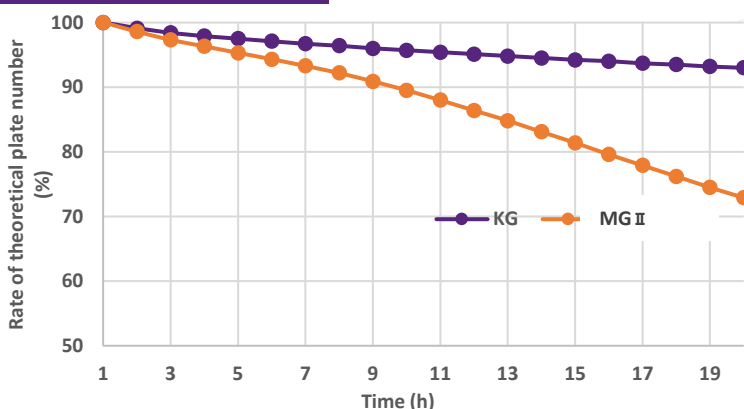
Specifications

Functional Group	Pore size (Å)	Particle size (µm)	Surface area (m ² /g)	% of Carbon	Density (µmol/m ²)	Pressure resistance (MPa)	pH range	USP class No.
C18 (Octadecyl)	100	3	320	17	2.7	20 / 50*	1~12	L1
C18 (Octadecyl)	100	5	320	17	2.7	20	1~12	L1

*Only 2.1mm inner diameter columns have a pressure resistance of 50MPa.

Durability in high pH and high temperature

Durability in pH 11

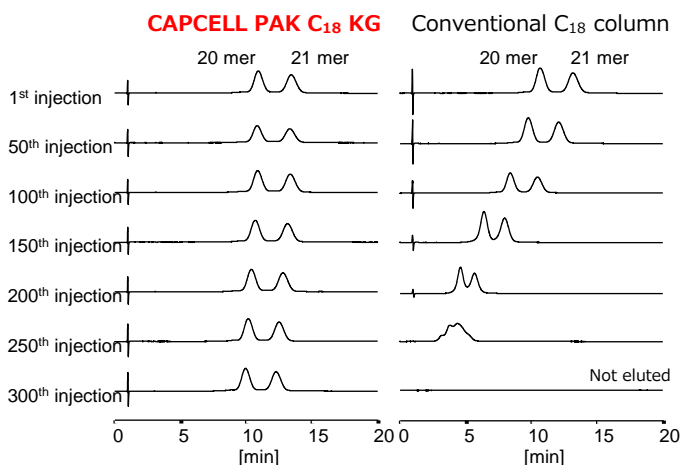


[HPLC Conditions]

Column : CAPCELL PAK C18 KG S3 ; 4.6 mm i.d. x 150 mm
 Mobile phase : 10 mM (Na₂B₄O₇+NaOH) pH 11 / MeOH = 9 / 1
 Flow rate : 1.0 mL/min
 Temperature : 50 ° C
 Detection : UV 254 nm
 Sample : Benzyl Alcohol

*Calculated based on the retention rate of benzyl alcohol retention time per hour of liquid flow.

Durability in high pH and high temperature



Sequence

5'-U[^]A[^]C[^]A[^]A[^]U[^]C[^]A[^]A[^]C[^]A[^]A[^]C[^]U[^]A[^]G[^]A[^]A[^]A[^]U[^]A[^]C[^]A[^]A[^]A[^]U-3' RNA 20 mer, All PS
 5'-G[^]A[^]U[^]C[^]A[^]A[^]U[^]C[^]A[^]A[^]C[^]A[^]A[^]C[^]U[^]A[^]G[^]A[^]A[^]A[^]U[^]A[^]C[^]A[^]A[^]A[^]U-3' RNA 21 mer, All PS

[^] = Phosphorothioated

[HPLC Conditions]

Column : CAPCELL PAK C18 KG S3 ; 2.1 mm i.d. x 100 mm
 Mobile phase:
 A) 15 mmol/L DBA, 50 mmol/L HFIP
 B) 15 mmol/L DBA, 50 mmol/L HFIP, 50 % CH₃OH
 B 73 % (0 min) -> 78 % (20 min) -> 73 % (20.1 min) Gradient
 Flow rate : 200 mL/min
 Temperature : 60 ° C
 Detection : UV 270 nm
 Inj. vol. : 2 µL
 Sample : 100 mg/mL each in 10 mmol/L Tris-HCl buffer (pH 8)

Product lineup

Product code	Product name	Particle size (μm)	Inner Diameter (mm)	Length (mm)
85201	CAPCELL PAK C18 KG S-3 2.1X35	3	2.1	35
85202	CAPCELL PAK C18 KG S-3 2.1X50	3	2.1	50
85203	CAPCELL PAK C18 KG S-3 2.1X75	3	2.1	75
85204	CAPCELL PAK C18 KG S-3 2.1X100	3	2.1	100
85205	CAPCELL PAK C18 KG S-3 2.1X150	3	2.1	150
85206	CAPCELL PAK C18 KG S-3 2.1X250	3	2.1	250
85207	CAPCELL PAK C18 KG S-3 3.0X35	3	3	35
85208	CAPCELL PAK C18 KG S-3 3.0X50	3	3	50
85209	CAPCELL PAK C18 KG S-3 3.0X75	3	3	75
85210	CAPCELL PAK C18 KG S-3 3.0X100	3	3	100
85211	CAPCELL PAK C18 KG S-3 3.0X150	3	3	150
85212	CAPCELL PAK C18 KG S-3 3.0X250	3	3	250
85213	CAPCELL PAK C18 KG S-3 4.6X35	3	4.6	35
85214	CAPCELL PAK C18 KG S-3 4.6X50	3	4.6	50
85215	CAPCELL PAK C18 KG S-3 4.6X75	3	4.6	75
85216	CAPCELL PAK C18 KG S-3 4.6X100	3	4.6	100
85217	CAPCELL PAK C18 KG S-3 4.6X150	3	4.6	150
85218	CAPCELL PAK C18 KG S-3 4.6X250	3	4.6	250

Product code	Product name	Particle size (μm)	Inner Diameter (mm)	Length (mm)
85302	CAPCELL PAK C18 KG S-5 2.1X50	5	2.1	50
85303	CAPCELL PAK C18 KG S-5 2.1X75	5	2.1	75
85304	CAPCELL PAK C18 KG S-5 2.1X100	5	2.1	100
85305	CAPCELL PAK C18 KG S-5 2.1X150	5	2.1	150
85306	CAPCELL PAK C18 KG S-5 2.1X250	5	2.1	250
85307	CAPCELL PAK C18 KG S-5 3.0X35	5	3	35
85308	CAPCELL PAK C18 KG S-5 3.0X50	5	3	50
85309	CAPCELL PAK C18 KG S-5 3.0X75	5	3	75
85310	CAPCELL PAK C18 KG S-5 3.0X100	5	3	100
85311	CAPCELL PAK C18 KG S-5 3.0X150	5	3	150
85312	CAPCELL PAK C18 KG S-5 3.0X250	5	3	250
85313	CAPCELL PAK C18 KG S-5 4.6X35	5	4.6	35
85314	CAPCELL PAK C18 KG S-5 4.6X50	5	4.6	50
85315	CAPCELL PAK C18 KG S-5 4.6X75	5	4.6	75
85316	CAPCELL PAK C18 KG S-5 4.6X100	5	4.6	100
85317	CAPCELL PAK C18 KG S-5 4.6X150	5	4.6	150
85318	CAPCELL PAK C18 KG S-5 4.6X250	5	4.6	250



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