KNAUER Column Ordering System

Order number example: **2 5 D E 1 8 1 E S J**

250 x 4 mm column (without precolumn) Eurospher 100, C18, 5 µm, spherical, endcapped

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Position	1	2	3	4	5	6	7	8	9	10
	Column length		**Inner diameter**	**Pore size**	**Particle shape and modification**		**Special characteristics**	**Brand name of packing material**		**Particle size**

Column length		Inner diameter		Pore size		Particle shape and modification	spherical	irregular	Special characteristics		Brand name of packing material		Particle size	
				Å										
5 mm	P5*	1 mm	A	30	A	not modified	00	50	none	0	BlueShell	SH	1.8 µm	E
30 mm	03	2 mm	B	50	B	C1	01	51	endcapped	1	Bluespher	BS	2 µm	F
50 mm	05	3 mm	C	60	C	C2	02	52	polymer-bonding	2	BlueOrchid	BO	2.6 µm	A
100 mm	10	4(4.1) mm	D	80	D	C3	03	53	acid stable		Eurospher II	E2	3 µm	G
125 mm	12	4.6 mm	E	100	E	C4	04	54	h-philic endc.	3	Eurosil Bioselect	EB	3.5 µm	H
150 mm	15	8(7.5) mm	G	120	F	Phenyl (P,C_6H_5)	05	55	h-philic endc.	4	Eurosil Pure	EP	4 µm	I
200 mm	20	10 mm	H	150	G	C6	06	56	h-phob. endc.	5	Eurocel	EC	5 µm	J
250 mm	25	16 mm	I	200	H	C8	08	58	acid stable	6	Eurokat	EK	7 µm	L
300 mm	30	20 mm	J	300	K	chiral	10	60	base stable	7	Eurospher	ES	8 µm	M
		32 mm	K	500	L	cation exchanger	14	64	extended selectivity	8	Hamilton	HM	10 µm	N
*Replacement for integrated precolumn		40 mm	L	1 000	M	anion exchanger	15	65	no end-capping	9	Hydroxylapatit	PH	12 µm	O
		62 mm	O	4 000	O	C18 (ODS,RP18)	18	68	polar embedded phase	A	Kromasil	KS	13 µm	P
		3 With integrated precolumn		10 000	P	NH_2	19	69			LiChrosorb	LB	15 µm	Q
				100 000	Q	CN	20	70			LiChrospher	LS	16 µm	R
				1 000 000	R	C30	30	80			Nucleosil	NS	20 µm	S
				not defined	X	NO_2	31	81			Partisil	PA	30 µm	T
						$N(Me)_2$	33	83			PLgel / PL Aquagel-OH	PL	50 µm	U
						Diol	41	91			ProntoSIL	PS	60 µm	V
		2 mm	Y			H	34				ProntoSIL Hypersorb	PY	25-40 µm	X
		3 mm	X			Pb	35				ProntoSIL Spheribond	SB	40-63 µm	Y
		4 mm	W			Ca	36				PSS SDV	SD		
		4.6 mm	V			Ag	38				PSS Suprema	SU		
						HILIC	12				Sphere-Image	SI		
						PAL-HILIC	13				Supersphere	SS		
						Eurocel 01	37				Zorbax	ZX		
						Eurocel 02	39							
						Eurocel 03	40							
						Eurocel 04	48							
						aqueous SEC	46							
						organic GPC	47							
						spec. PAH	42							
						spec. pesticides	43							
						spec. phenols	44							
						spec. petroleum	45							
						DNPH	49							

1	2	3
Bulk material		**Weight**
	00	1 g A
		10 g B
		100 g C
		1 000 g D

KNAUER order numbers consist of 10 positions (digits). Positions 1 to 3 describe the dimensions of the column hardware (or when ordering bulk material, the amount of sorbent). Positions 4 through 10 describe the properties of the packing material. Note that not every combination implied by this ordering system will result in a valid column.

Need support? Phone: +49-(0)30-809727-0
E-Mail: info@knauer.net