MZ ANALYSENTECHNIK

MZ-Aqua Perfect

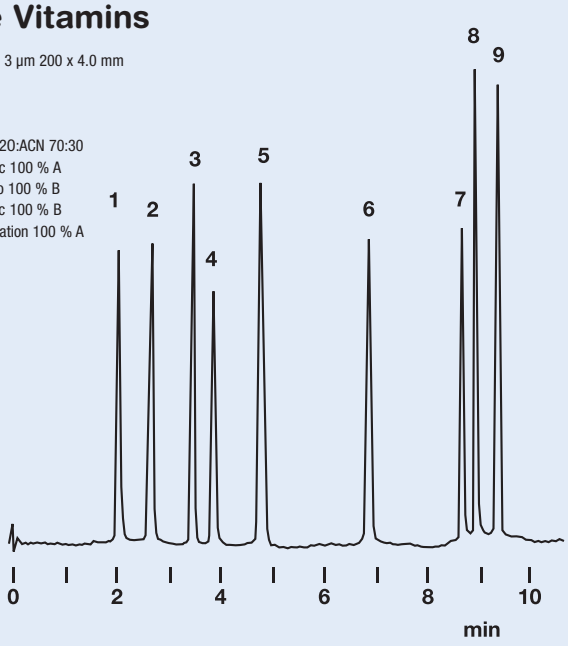
C18 for up to 100% Aqueous Applications

- Elaborate C18-chemistry combined with new hydrophilic endcapping
- Compatible with up to 100% aqueous eluents
- Enables design of extremely steep gradients
- Short recalibration time
- Excellent reproducibility
- Highly pure porous base silica
- Spherical particles with low polydispersity
- High chemical and mechanical resistibility
- Manufacturing process fully ISO 9001-certified
- Low backpressure
- High durability

Technical Data	
chemistry	C18
particle size	3/5/7/10 µm
particle shape	spherical
pore size	120 Å
surface area (BET)	310 m^2/g
carbon content	15 %

Water Soluble Vitamins

Column: MZ-Aqua Perfect C18 3 µm 200 x 4.0 mm
Flow: 1.25 ml/min
Inj.volume: 10 µl
Eluent: A: 0,05 M H_3PO_4
B: 0,05 M H_3PO_4 in H2O:ACN 70:30
Gradient: 0-3 min isokratic 100 % A
3-6 min linear to 100 % B
6-12 min isocratic 100 % B
12-15 min equilibration 100 % A
Temperature: ambient
Detection: UV @ 230 nm



analytes:
1 thyamin (B1)
2 ascorbic acid (C)
3 nicotinic acid (B)
4 nicotinamide (B3)
5 pyridoxal
6 pyridoxine (B6)
7 folic acid
8 cyanocobalmine (B12)
9 riboflavine (B2)

Applications

tricyclic antidepressants • theophylline • water-soluble vitamins • organic acids • catecholamines • caffeine • all other C18 applications

Part-No.

□□□.□□.□□□□.□

Column length [mm]
Column-ID [mm]
Materialcode
N: new, R: refill

Example: HPLC-column (new) 250 x 4.6 mm MZ-AquaPerfect 5 µm
=> 250.4,6.0612.N

Materialcode MZ-AquaPerfect
3 µm = 0610
5 µm = 0612
7 µm = 0613
10 µm = 0614

length x ID [mm]	3 µm New	3 µm Refill	5/7/10 µm New	5/7/10 µm Refill
50 x 2.1	195.--	154.--	154.--	113.--
100 x 2.1	251.--	210.--	192.--	151.--
125 x 2.1	256.--	215.--	213.--	172.--
150 x 2.1	270.--	230.--	225.--	185.--
200 x 2.1	287.--	249.--	238.--	200.--
250 x 2.1	307.--	264.--	248.--	205.--
50 x 3.0	169.--	141.--	149.--	121.--
100 x 3.0	192.--	162.--	169.--	139.--
125 x 3.0	200.--	167.--	174.--	141.--
150 x 3.0	210.--	177.--	185.--	152.--
200 x 3.0	230.--	195.--	190.--	155.--
250 x 3.0	243.--	205.--	197.--	159.--
20 x 4.0	151.--	129.--	116.--	94.--
33 x 4.0	167.--	143.--	128.--	104.--
40 x 4.0	179.--	157.--	138.--	116.--
50 x 4.0	189.--	163.--	145.--	119.--
60 x 4.0	197.--	170.--	151.--	124.--
75 x 4.0	205.--	177.--	157.--	129.--
100 x 4.0	213.--	184.--	164.--	135.--
125 x 4.0	220.--	190.--	169.--	139.--
150 x 4.0	227.--	195.--	174.--	152.--
200 x 4.0	241.--	209.--	185.--	153.--
250 x 4.0	253.--	221.--	194.--	162.--
300 x 4.0	287.--	244.--	222.--	179.--
20 x 4.6	160.--	138.--	124.--	102.--
33 x 4.6	175.--	151.--	135.--	111.--
40 x 4.6	189.--	167.--	146.--	124.--
50 x 4.6	198.--	172.--	153.--	127.--
60 x 4.6	208.--	181.--	160.--	133.--
75 x 4.6	216.--	188.--	167.--	139.--
100 x 4.6	224.--	195.--	173.--	144.--
125 x 4.6	231.--	201.--	179.--	149.--
150 x 4.6	239.--	207.--	185.--	153.--
200 x 4.6	253.--	221.--	196.--	164.--
250 x 4.6	265.--	233.--	205.--	173.--
300 x 4.6	289.--	246.--	246.--	203.--

all prices in EUR excluding VAT

MZ-ANALYSENTECHNIK GMBH · Wöhlerstraße 2–6 · D-55120 Mainz · Tel. +49-6131/68 66 -19 · Fax -20