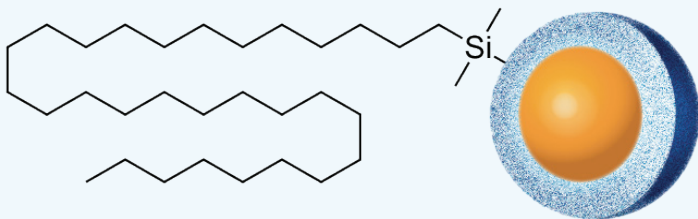


INTRODUCING THE NEW HALO[®] C30!

Built on proven Fused-Core[®] particle technology, the HALO[®] C30 is designed to deliver faster separations ideal for lipids and isomers compared to your C18.



FEATURES OF HALO[®] C30

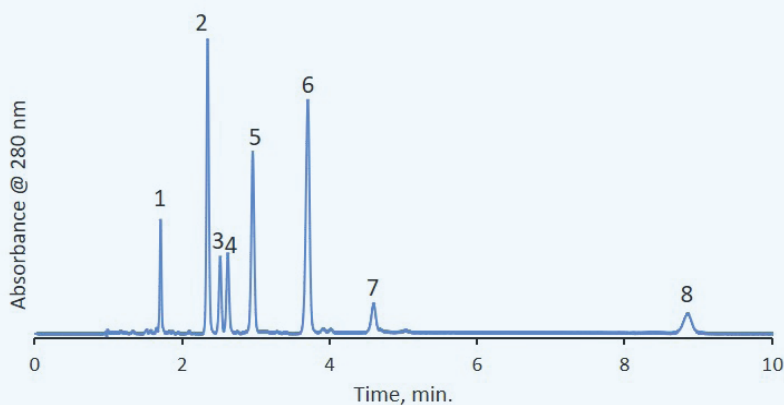
- High shape selectivity for hydrophobic, long-chain structurally related isomers
- Highly reproducible bonded phase coverage resulting in fast, highly efficient, rugged separations
- 100 % Aqueous Compatibility

Best Applications:

- Fat/Water Soluble Vitamins
- Carotenoids
- Lipids
- Steroids

FAT SOLUBLE VITAMINS USING HALO[®] C30

HALO C30 enables a fast, efficient separation of a typical fat soluble vitamin panel in less than 9 minutes, while maintaining baseline resolution between vitamins D2 and D3.



PEAK IDENTITIES

1. Retinyl acetate (A)
2. Delta tocopherol (E)
3. Ergocalciferol (D2)
4. Cholecalciferol (D3)
5. Alpha tocopherol (E)
6. DL-alpha-tocopherol acetate (E)
7. 2,3-trans-phyloquinone (K)
8. Retinyl palmitate (A)

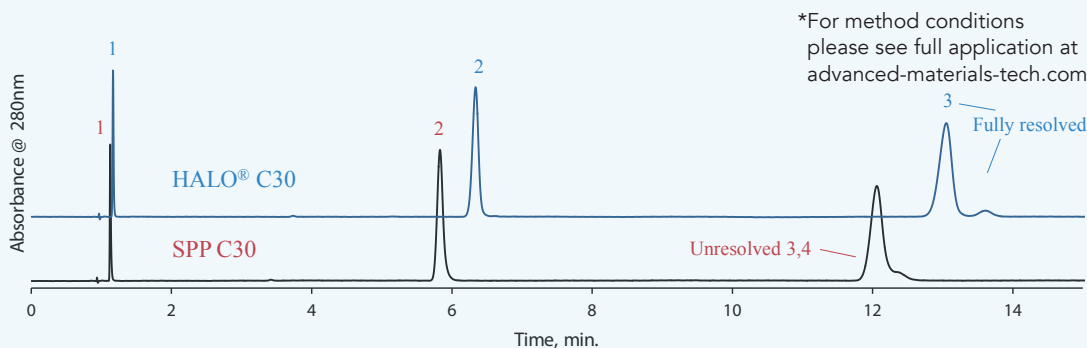
COLUMN

HALO 160 Å C30, 2.7 µm, 4.6 x 150 mm

*For method conditions please see full application at advanced-materials-tech.com

VITAMIN K1 ISOMER ANALYSIS on HALO[®] C30 vs. COMPETITOR SPP C30

A HALO C30 column shows increased retention and baseline resolution of vitamin K1 trans and cis isomers compared to a SPP C30 column.



*For method conditions please see full application at advanced-materials-tech.com

PEAK IDENTITIES

1. Menadione (K3)
2. Menaquinone 4 (K2)
3. 2,3-trans-phyloquinone (K1)
4. cis-phyloquinone (K1)

COLUMNS

HALO 160 Å C30, 2.7 µm, 4.6 x 150 mm
SPP C30, 2.6 µm, 4.6 x 150 mm

*For method conditions please see full application at advanced-materials-tech.com

HALO 160 Å C30, 2.7 µm

Ligand: Triacetyldimethyl
 Particle Size: 2.7 µm
 Pore Size: 160 Å

USP Designation: L62
 Carbon Load: 4.5 %
 Surface Area: 90 m²/g

Endcapped: Yes
 Low pH Limit /Max T: 2/60°C
 High pH Limit/Max T: 9/40°C

ANALYTICAL COLUMNS

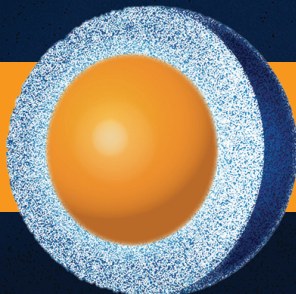
Dimensions: ID x Length (in mm)	Part Number
2.1 x 20	92112-230
2.1 x 30	92112-330
2.1 x 50	92112-430
2.1 x 75	92112-530
2.1 x 100	92112-630
2.1 x 150	92112-730
2.1 x 250	92112-930
3.0 x 20	92113-230
3.0 x 30	92113-330
3.0 x 50	92113-430
3.0 x 75	92113-530
3.0 x 100	92113-630
3.0 x 150	92113-730
3.0 x 250	92113-930
4.6 x 20	92114-230
4.6 x 30	92114-330
4.6 x 50	92114-430
4.6 x 75	92114-530
4.6 x 100	92114-630
4.6 x 150	92114-730
4.6 x 250	92114-930

CAPILLARY COLUMNS

Dimensions: ID x Length (in mm)	Part Number
0.075 x 50	91219-402
0.075 x 100	91219-602
0.075 x 150	91219-702
0.1 x 50	91218-402
0.1 x 100	91218-602
0.1 x 150	91218-702
0.2 x 50	91217-402
0.2 x 100	91217-602
0.2 x 150	91217-702
0.3 x 50	91216-402
0.3 x 100	91216-602
0.3 x 150	91216-702
0.5 x 50	91215-402
0.5 x 100	91215-602
0.5 x 150	91215-702

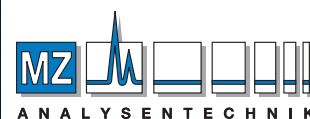
GUARD COLUMNS

Guard columns, 3-pack	
Dimensions: ID x Length (in mm)	Part Number
2.1 x 5	92112-130
3.0 x 5	92113-130
4.6 x 5	92114-130
Guard Column Holder	94900-001



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