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Information

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For hydrophilic interaction chromatography

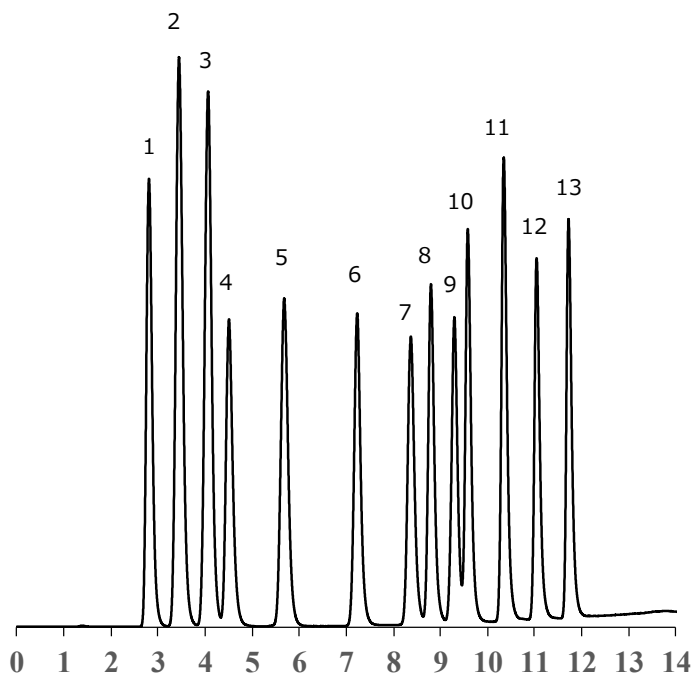
NEW

ULTRON AF-HILIC-CD (HT)

Introducing the AF-HILIC-CD (HT) employing a 2 μm packing material, the latest addition to the AF-HILIC-CD series.

This column can be used for high-throughput analysis of structural homologues and structural isomers.

Simultaneous analysis of mono-, di- and oligosaccharides



- | | |
|--------------|---------------------|
| 1. Xylose | 8. Lactose |
| 2. Fructose | 9. Trehalose |
| 3. Glucose | 10. Xylotriose |
| 4. Mannitol | 11. 1-Kestose (GF2) |
| 5. Xylobiose | 12. Raffinose |
| 6. Sucrose | 13. Nystose (GF3) |
| 7. Lactulose | |

Gradient : 10 minutes gradient, 88% - 65% with 20minutes re-equilibration

Time (min)	Profile	
	%A	%B
0.00	96	4
10.00	58	42
10.01	96	4
30.00	96	4

Column: ULTRON AF-HILIC-CD (HT) (2 μm)
 Column size: 100 mm x 2.0 mm I.D.
 Mobile phase: A 20 mM $\text{CH}_3\text{CO}_2\text{NH}_4$ (pH 6.8) / CH_3CN = 10/90 (v/v)
 B 20 mM $\text{CH}_3\text{CO}_2\text{NH}_4$ (pH 6.8) / CH_3CN = 70/30 (v/v)

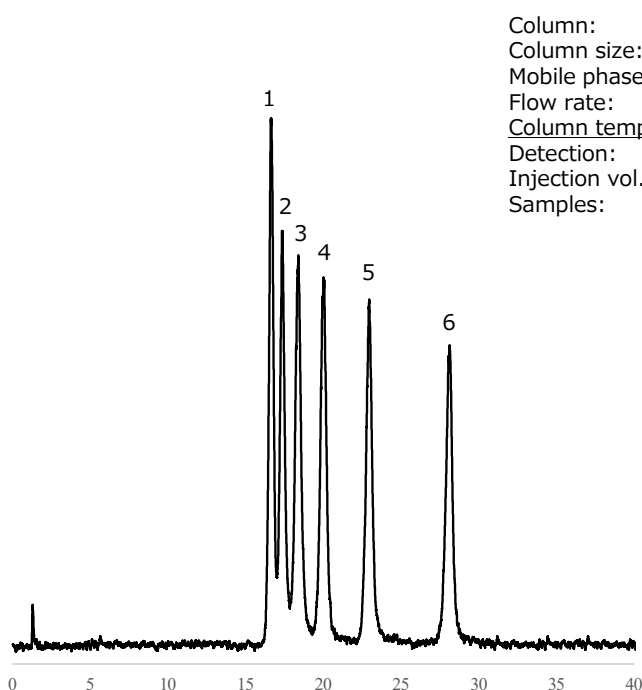
Flow rate: 0.26 mL/min
 Column temp.: 40°C
 Detection: ELSD
 Injection vol.: 2.5 μL



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Separation of sugar isomers



Column: ULTRON AF-HILIC-CD (HT) (2 μ m)
 Column size: 150 mm x 2.0 mm I.D.
 Mobile phase: 100 mM CH₃CO₂NH₄ (pH 6.8)/CH₃CN = 10/90 (v/v)
 Flow rate: 0.45 mL/min
 Column temp.: 40°C
 Detection: ELSD
 Injection vol.: 1.0 μ L
 Samples:
 1. Turanose (Glucose - Fructose α (1 \rightarrow 3))
 2. Palatinose (Glucose - Fructose α (1 \rightarrow 6))
 3. Maltulose (Glucose - Fructose α (1 \rightarrow 4))
 4. Maltose (Glucose - Glucose α (1 \rightarrow 4))
 5. Lactose (Galactose - Glucose β (1 \rightarrow 4))
 6. Trehalose (Glucose - Glucose α (1 \rightarrow 1))

ULTRON AF-HILIC-CD line-up

Product name	Particle size (μ m)	Column dimensions Length x I.D. (mm)
ULTRON AF-HILIC-CD (HT)	2	50 x 2.0
		100 x 2.0
		150 x 2.0
ULTRON AF-HILIC-CD	5	100 x 2.0
		100 x 4.6
		150 x 2.0
		150 x 4.6
		250 x 4.6

Please be aware that specifications are subject to change without prior notification.