

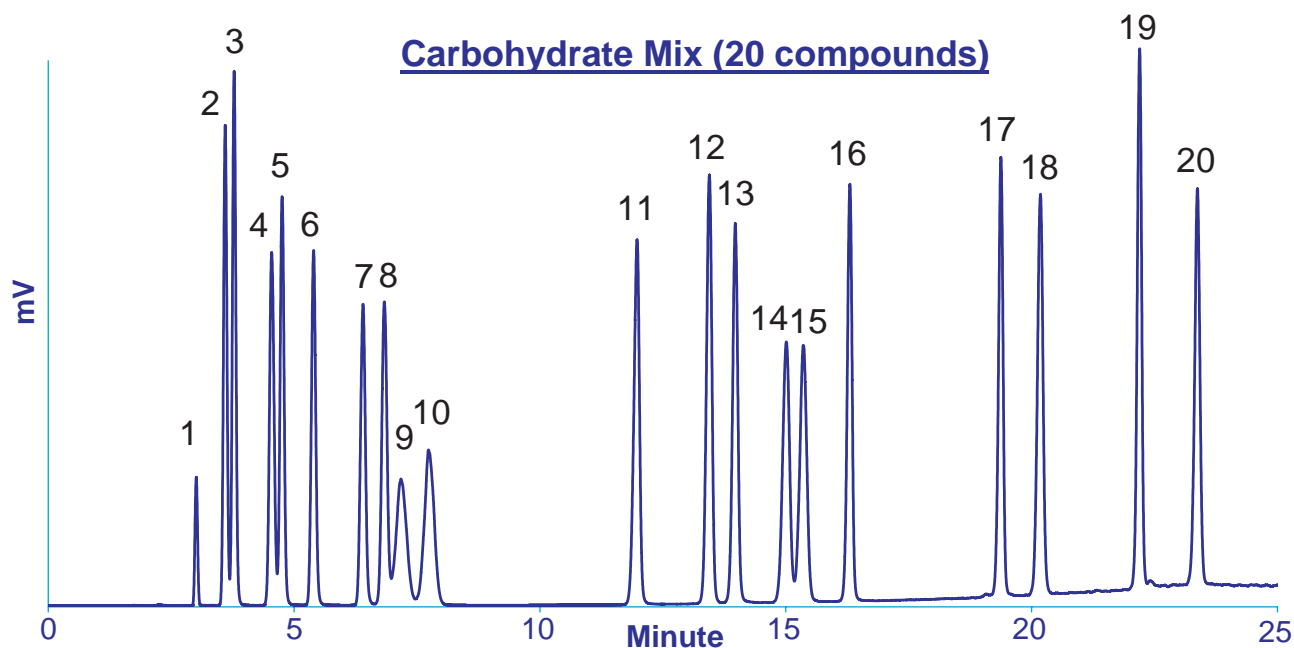
Unison UK-Amino

250 x 3 mm

Application

Simultaneous HPLC/LT-ELSD Analysis of Polyols, Mono-, Di- and Oligosaccharides

LT-ELSDによるポリオールおよびモノ、ジ、オリゴ糖の分析



	RT	%RSD (n=6)		LOD (S/N=3)
	Minutes	RT	Response	ng (o.c.)
1- Glycerol	3.05	0.07	4.1	145*
2- Rhamnose	3.65	0.04	2.0	22.9
3- Erythritol	3.85	0.05	1.2	11.7
4- Arabinose	4.63	0.06	2.7	20.0
5- Xylose	4.79	0.06	1.7	20.0
6- Fructose	5.51	0.06	3.1	15.4
7- Sorbitol	6.57	0.03	1.0	23.1
8- Mannose	6.99	0.04	0.4	20.0
9- Galactose	7.37	0.18	2.5	35.3
10- Glucose	7.93	0.12	2.1	28.6
11- Inositol	12.25	0.05	1.0	8.6
12- Sucrose	13.66	0.06	1.7	5.1
13- Maltulose	14.19	0.04	1.7	7.1
14- Lactose	15.23	0.06	1.5	6.2
15- Maltose	15.54	0.04	1.4	6.5
16- Trehalose	16.49	0.05	1.8	34.5
17- Raffinose	19.54	0.04	3.4	33.7
18- Maltotriose	20.30	0.04	0.6	38.7
19- Nystose	22.28	0.03	1.4	30.9
20- Maltotetraose	23.45	0.03	0.7	34.9

* Semi-volatile compound

Unison UK-Amino, 250 x 3 mm
 A: acetonitrile
 B: water
 10%B (0-6 min)
 10-25%B (6-20 min)
 25%B (20-25 min)
 0.7 mL/min, 60 °C, 2uL

ELSD (SEDERE, France)
 SEDEX 90LT, 28 °C, 3.5Bar

Data provided by
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 SEDERE S.A.S., France