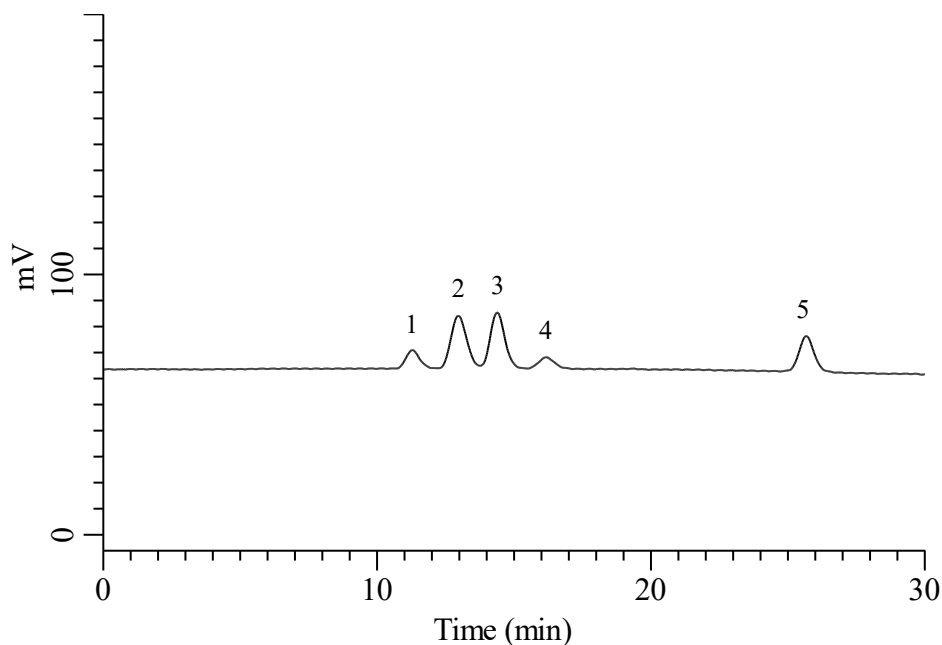


Analysis of Sugars



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSphere Sugar-2 (GL Sciences Inc.)
 (9 μ m, 300 x 7.8 mm I.D.)
Column Cat. No. : 5020-11000
Eluent : H₂O
Flow Rate : 0.5 mL/min
Reaction Reagent : A) 500 mM NaOH in H₂O
 B) 0.1% H₃PO₄ in H₂O
 A/B = 1/2, v/v
Reaction Flow Rate : 0.25 mL/min
Col. Temp. : 80 °C
Detection : ECD Pulse Mode (ED743, Gold)

Analyte:

1. Lactose
 2. Glucose
 3. Galactose
 4. Fructose
 5. Sorbitol
 (50 μ g/mL each)

E1:	150 mV	t1:	600 ms
E2:	-1500 mV	t2:	50 ms
E3:	600 mV	t3:	50 ms
E4:	-200 mV	t4:	100 ms
		ts:	50 ms

Injection Vol. : 10 μ L
Sample : Standard in H₂O