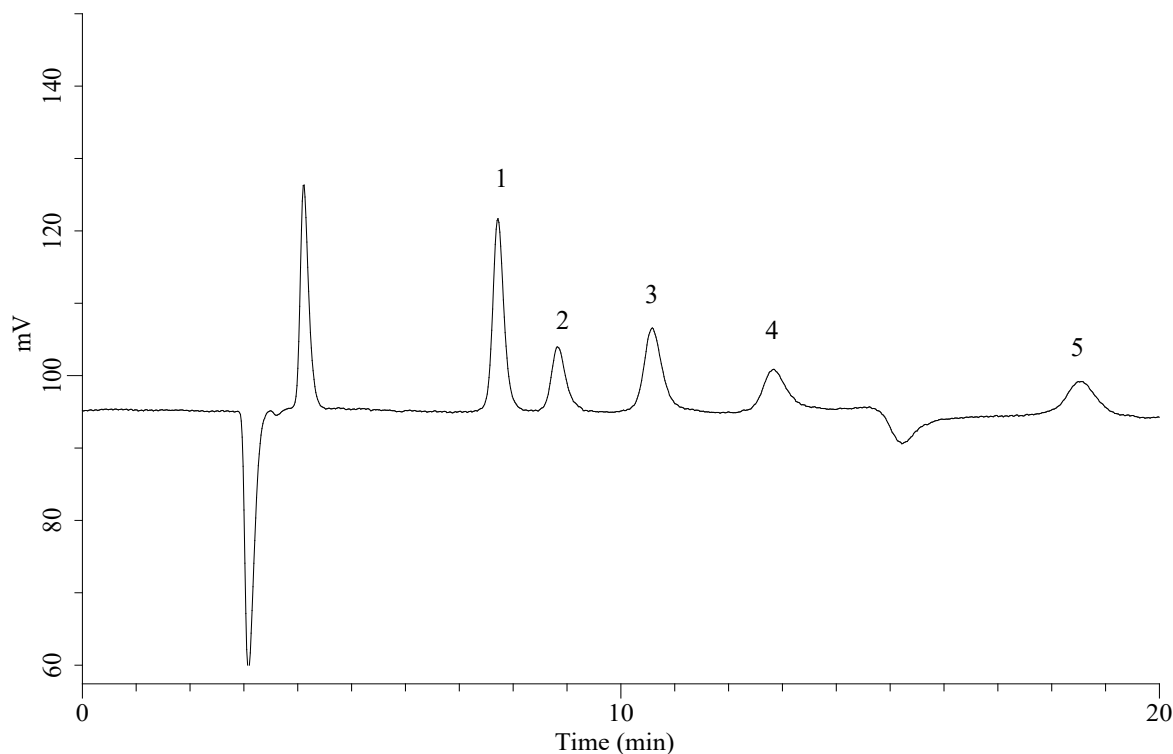


Analysis of Monosaccharides and Disaccharides



Conditions

Column : InertSphere Sugar-1 (GL Sciences Inc.)
(5 μ m, 150 x 4.6 mm I.D.)

Column Cat. No. : 5020-11001

Eluent : 200 mM NaOH in H₂O

Flow rate : 0.5 mL/min

Col. Temp. : 30°C

Detection : ECD Pulse Mode (ED743, Gold)

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

Analyte:

1. Glucose
2. Fructose
3. Lactose
4. Sucrose
5. Maltose
(0.05 mg/L each)

S/N (ASTM)

1. Glucose : 116
2. Fructose : 38.8
3. Lactose : 46.6
4. Sucrose : 36.6
5. Maltose : 11.1

Injection Vol. : 50 μ L

Sample : Standard