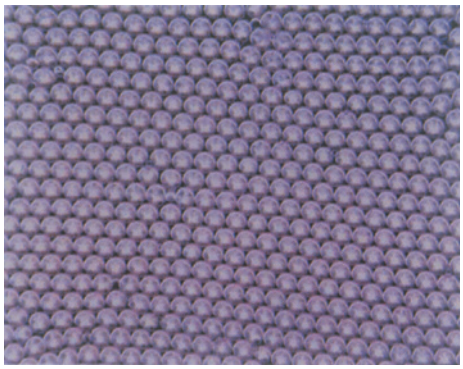
SUGAR COLUMNS

SUCREBEAD I

Sucrebead I is targeted exclusively to carbohydrate analysis. It is based on styrene/divinylbenzene polymer support. Its mono-dispersion character was given by the unique two-step swelling method used for the polymerization, and is advantageous in chromatographic separation.

- Excellent durability
- Efficient peaks at low pressure

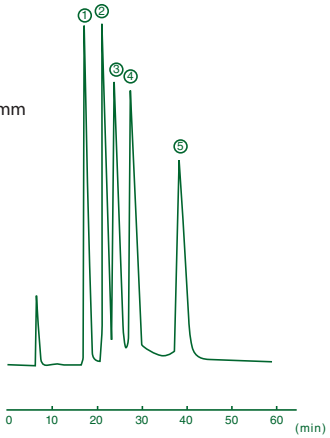


Mono-dispersion particles

Sucrebead I, in combination with the pulsed amperometric detector (PAD), provides a high-sensitivity carbohydrate analysis.

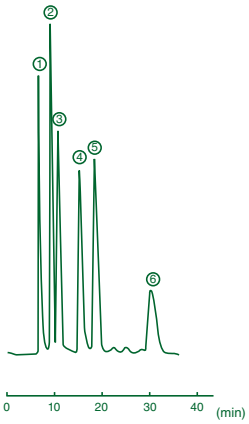
Monosaccharides

Column	: SUCREBEAD I 2.0 mm i.d. x 250 mm
Mobile Phase	: 200mmol/L NaOH
Flow Rate	: 100µL/min
Temperature	: 35˚C
Detection	: PAD
Sample	: 1. Fucose 2. Mannose 3. Glucose 4. Galactose 5. Ribose



Suger alcohols

Column	: SUCREBEAD I 2.0 mm i.d. x 250 mm
Mobile Phase	: 200mmol/L NaOH
Flow Rate	: 100µL/min
Temperature	: 35˚C
Detection	: PAD
Sample	: 1. myo-Inositol 2. meso-Erythritol 3. Xylitol 4. Sorbitol 5. Mannitol 6. Maltitol

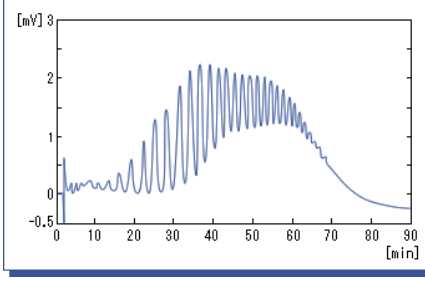


SUCREBEAD II

Sucrebead II is developed to analyze carbohydrates by using anion-exchanging polymer as a stationary phase. Sucrebead II enables operation under high pH range and high selectivity with carbohydrates.

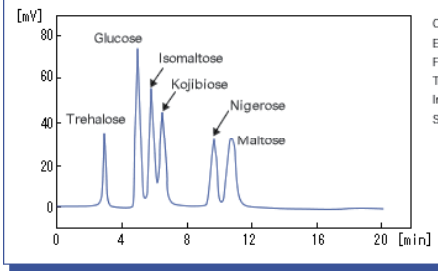
Optimum for analyzing oligosaccharides and polysaccharides

Separation of polysaccharide



Column	: SUCREBEAD II 2.0 mm i.d.x250 mm
Mobile phase	: A : 0.1M NaOH B : 0.1M NaOH + 1.0M AcONa B20%(0min)→60%(90min) →60%(120min)
Flow rate	: 250 µL/min
Temperature	: 25 ℃
Detection	: PAD
Inj.vol.	: 10 µL

Separation of disaccharide isomers



Column	: Sucrebead II 2.0 x 250mm
Eluent	: 0.1M NaOH + 0.04M AcONa
Flow rate	: total 300µL/min
Temp.	: 25 ℃
Inj.vol	: 1µL
Sample	: 10mg/mL for each