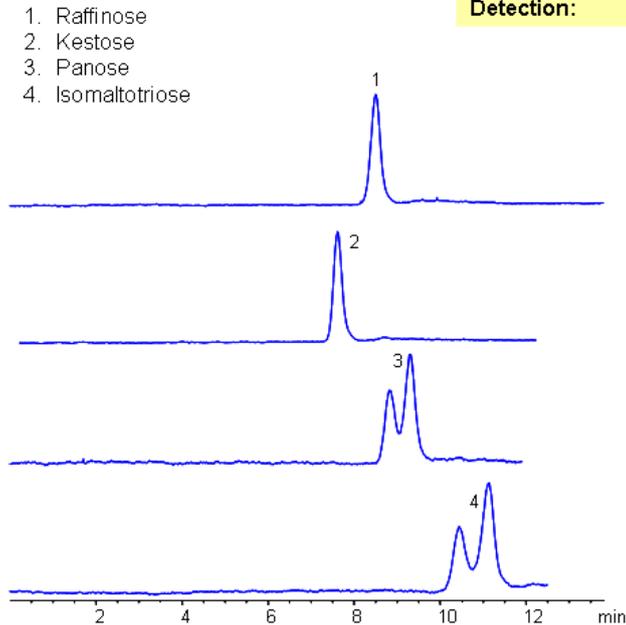


## Separation of Trisaccharides on Obelisc N Column

**Column:** Obelisc N  
**Dimensions:** 4.6x150 mm, 5µm, 100Å  
**Mobile phase:** 75% ACN with 10 mmol AmFm pH 3.0  
**Detection:** ELSD



Trisaccharides can be difficult to separate using conventional HPLC columns. The four trisaccharides panose, raffinose, isomaltotriose, and kestose have the same chemical formula, and they all have two glycosidic bonds connecting the three monosaccharides. Obelisc N was used as a stationary phase to separate trisaccharides because it is capable of multiple modes of separation. Obelisc N is a highly polar column that retains polar and charged analytes. Even though the trisaccharides differ only in regio- and stereochemistry they are resolved.

### Method Parameters

<b>Column</b>	Obelisc R, 4.6x150 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeCN – 75%
<b>Buffer</b>	AmFm pH 3.0- 10 mM
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	ELSD

Quelle: <https://sielc.com/Application%20Separation%20of%20Trisaccharides%20on%20Obelisc%20N%20Column>