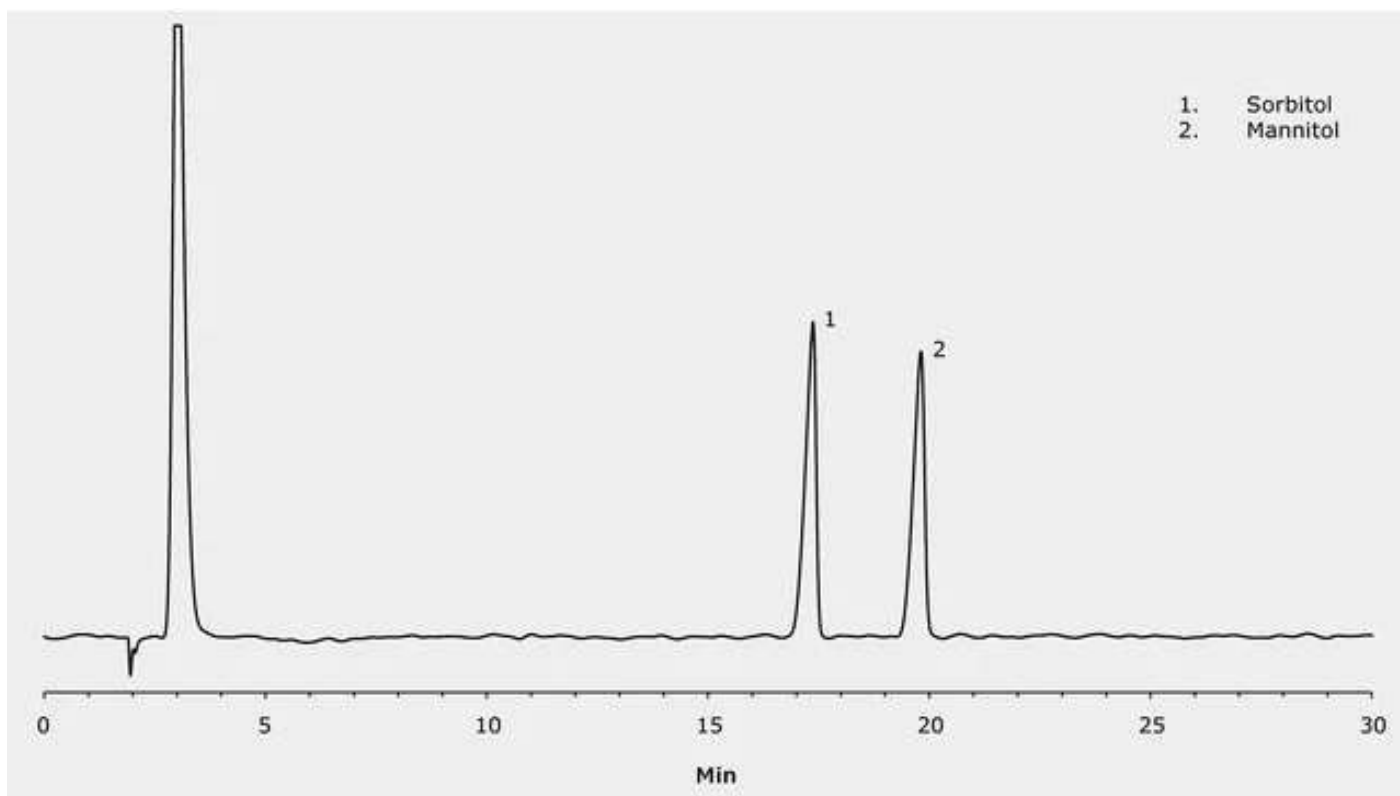


# LC/MS Analysis of Sorbitol and Mannitol on SeQuant<sup>®</sup> ZIC-HILIC



## Conditions

column	SeQuant <sup>®</sup> ZIC-cHILIC, PEEK, 250 x 4.6 mm, 3 µm, 100Å... (1.50662.0001)
column temp.	45 °C (oven), 40 °C (detector cell)
mobile phase	[A] acetonitrile; [B] 0.1% ortho-phosphoric acid in Milli-Q <sup>®</sup> water; (90:10, A:B)








## Conditions






flow rate	1.5 mL/min
pressure	1682 psi (116 bar)
sample	5.0 mg/mL (5000 ppm) each of sorbitol and mannitol in diluent. (Diluent: Acetonitrile: 0.1% ortho-phosphoric acid in Milli-Q <sup>®</sup> water 75:25 (v/v))
injection	20 µL
detector	Refractive Index (RI) (cell: 10 µL)

## Description

Featured Industry	Pharmaceutical (small molecule)
suitability	application for HPLC

## Materials

Product No.	Description	SDS	Pricing
<a href="#">5.33001</a>	<b>Acetic acid 100%</b> for LC-MS LiChropur <sup>™</sup>	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">1.00029</a>	<b>Acetonitrile</b> hypergrade for LC-MS LiChrosolv <sup>®</sup>	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">73594</a>	<b>Ammonium acetate</b> LiChropur <sup>™</sup> , eluent additive for LC-MS	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">70221</a>	<b>Ammonium formate</b> eluent additive for LC-MS, LiChropur <sup>™</sup> , ≥99.0%	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">1.11727</a>	<b>Ethanol</b> gradient grade for liquid chromatography LiChrosolv <sup>®</sup>	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">5.33002</a>	<b>Formic acid 98% - 100%</b> for LC-MS LiChropur <sup>™</sup>	<a href="#">↓</a>	<a href="#">Expand</a> 
<a href="#">1.06007</a>	<b>Methanol</b>	<a href="#">↓</a>	<a href="#">Expand</a> 

Product No.	Description	SDS	Pricing
	gradient grade for liquid chromatography LiChrosolv <sup>®</sup> Reag. Ph Eur		
<b>1.06035</b>	<b>Methanol</b> hypergrade for LC-MS LiChrosolv <sup>®</sup>	<a href="#">↓</a>	<b>Expand</b> 
<b>5.43841</b>	<b>Potassium dihydrogen phosphate anhydrous</b> for HPLC LiChropur <sup>™</sup>	<a href="#">↓</a>	<b>Expand</b> 
<b>1.50662</b>	<b>SeQuant<sup>®</sup> ZIC<sup>®</sup> -cHILIC 3µm, 100Å 250 x 4.6 mm</b> PEEK-lined stainless steel column, suitable for HPLC		<b>Expand</b> 
<b>69372</b>	<b>Triethylammonium acetate buffer</b> suitable for HPLC, 0.98-1.02 M	<a href="#">↓</a>	<b>Expand</b> 
<b>1.15333</b>	<b>Water</b> for chromatography (LC-MS Grade) LiChrosolv <sup>®</sup>	<a href="#">↓</a>	<b>Expand</b> 

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