

YMC CHIRAL Immobilised Polysaccharide derivatives series

Features

- Immobilised polysaccharide chiral selector
- Applicable for normal and reversed phase modes
- Highly robust, also suitable for SFC/SMB
- Remarkably reduced background signal
- HPLC columns and preparative grade bulk media with particle sizes of 5, 10 and 20 μm available
- Extremely attractive pricing

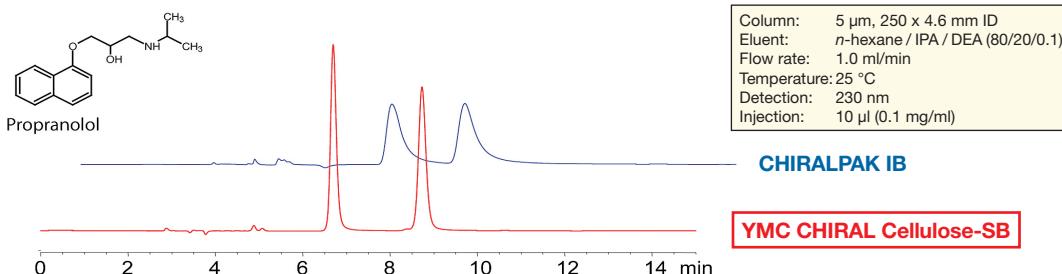
Introduction

YMC CHIRAL polysaccharides derivatives are a series of chiral separation columns / packing materials with high stereoselectivity. They are suitable for separations of wide range of chiral compounds, cis-trans isomers and geometric isomers. A range of particle sizes and column dimensions offer outstanding cost effectiveness from analytical to preparative separations.

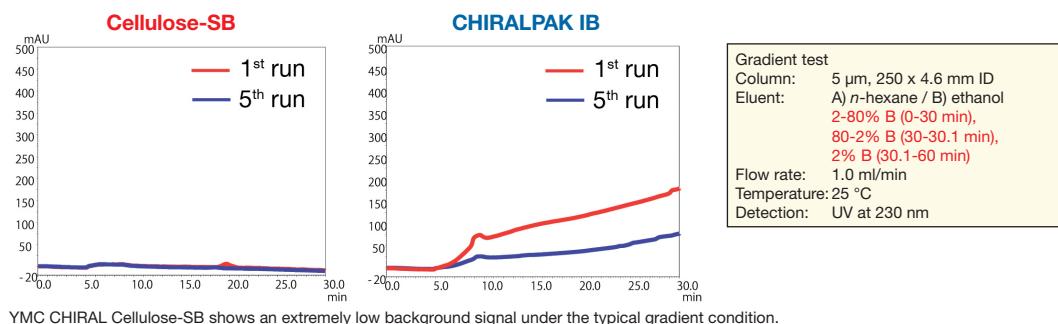
Immobilised Type

Now, immobilised versions of YMC CHIRAL polysaccharides are announced. They can be used either in normal phase or in reversed phase modes. YMC CHIRAL Cellulose-SB and Amylose-SA are available in HPLC columns and in preparative grades, in large (multi kg) quantities.

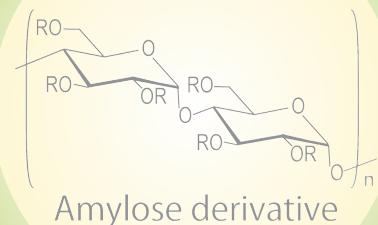
Application Data



YMC CHIRAL polysaccharides derivatives provide excellent peak shapes for ionic and metal coordinating compounds.



YMC CHIRAL Immobilised Polysaccharide derivatives series



Specifications

Now available

Coming soon

Item	YMC CHIRAL Cellulose-SB	YMC CHIRAL Amylose-SA
Particle size	5, 10, 20 μm	
Chiral selector	Cellulose tris (3,5-dimethylphenylcarbamate)	Amylose tris (3,5-dimethylphenylcarbamate)
Type		Immobilised type
Separation mode		Normal Phase / Reversed Phase
Shipping solvent		n-hexane/2-propanol (90/10)
Temp. range		0-40 °C (pH 7-9 max. 25 °C)
Usable pH-range		2.0 - 9.0
Pressure limit		30 MPa (4350 psi)
Recommended flow rate	4.6 mm ID: 0.5 - 1.0 ml/min (Max. flow rate: 3.0 ml/min) 10 mm ID: 2.5 - 5.0 ml/min (Max. flow rate: 15 ml/min)	

Product Line-up

Product name	Particle size [μm]	Chiral selector	Type	Competitive product
YMC CHIRAL Cellulose-SB	5	Cellulose tris (3,5-dimethylphenylcarbamate)	Immobilised	CHIRALPAK® IB
	10	Amylose tris (3,5-dimethylphenylcarbamate)		CHIRALPAK® IA

CHIRALPAK is a registered trademark of Daicel Corporation.

Ordering information

Initial Product Line-up

YMC CHIRAL Cellulose-SB

Phase dimension	Column ID [mm]	Column length [mm]		Guard cartridges/columns*
		150	250	
5 μm	2	KSB99S05-1502WT	KSB99S05-2502WT	KSB99S05-0102CC (10 mm length, pack of 2)
	4.6	KSB99S05-1546WT	KSB99S05-2546WT	KSB99S05-G304CC (23 mm length, pack of 3)
	10	—	KSB99S05-2510WT	KSB99S05-0310WTG (30 mm length, 1 unit)
	20	—	KSB99S05-2520WX	KSB99S05-0120CC (10 mm length, pack of 2)
	30	—	KSB99S05-2530WX	KSB99S05-0130CC (10 mm length, pack of 2)

Follow-up Product Line-up

YMC CHIRAL Amylose-SA

Phase dimension	Column ID [mm]	Column length [mm]		Guard cartridges/columns*
		150	250	
5 μm	2	KSA99S05-1502WT	KSA99S05-2502WT	KSA99S05-0102CC (10 mm length, pack of 2)
	4.6	KSA99S05-1546WT	KSA99S05-2546WT	KSA99S05-G304CC (23 mm length, pack of 3)
	10	—	KSA99S05-2510WT	KSA99S05-0310WTG (30 mm length, 1 unit)
	20	—	KSA99S05-2520WX	KSA99S05-0120CC (10 mm length, pack of 2)
	30	—	KSA99S05-2530WX	KSA99S05-0130CC (10 mm length, pack of 2)

*Guard cartridge holder required, part no. XPCHSMW (2 mm ID)
XPCHW (4 mm ID)
XPCHSPW2 (20 mm ID)
XPCHSPW3 (30 mm ID)
No holder required for 10 mm ID

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