



REFLECT™ IMMOBILIZED Polysaccharide Chiral Columns

High Performance Chiral Columns at an Affordable Price

REFLECT™ immobilized chiral columns are rugged polysaccharide phases suitable for a wide range of chiral compounds. Unique, proprietary, phase coverage provides excellent peak shape and improved resolution versus leading chiral phases. High resolution greatly improves preparative loading, leading to greater productivity and higher purity separations. Combined with attractive pricing and rapid delivery, REFLECT™ chiral columns deliver the performance and productivity you expect.

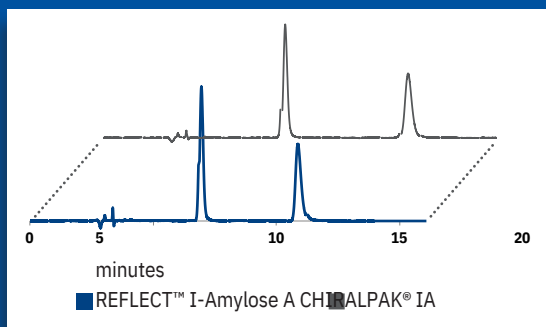


- **NEW!** REFLECT™ I-Cellulose Z phase now available!
- Rugged, immobilized phase for long column lifetimes
- High efficiency media with excellent peak shape and loading capacity
- Compatible with a broad range of solvents and separation modes (NP, RP, Polar Organic, SFC)
- Fully scalable from 3- to 20 μ m
- Fast delivery—all sizes, anywhere in the world



Achieve Equal or Better Separations Compared to Leading Polysaccharide Phases

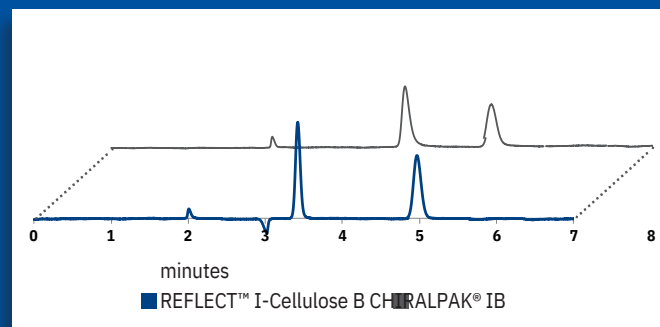
REFLECT™ I-Amylose A provides equivalent separation of Chlormezanone



Compound: Chlormezanone
Column Size: 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (50/50) Hexane/IPA

Flow Rate: 1.0 mL/min
Detection: UV 220 nm
Catalog #: 1-591204-300

REFLECT™ I-Cellulose B provides better separation of Alprenolol



Compound: Alprenolol
Column Size: 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10/0.1) Hexane/IPA/DEA

Flow Rate: 1.5 mL/min
Detection: UV 230 nm
Catalog #: 1-592204-300

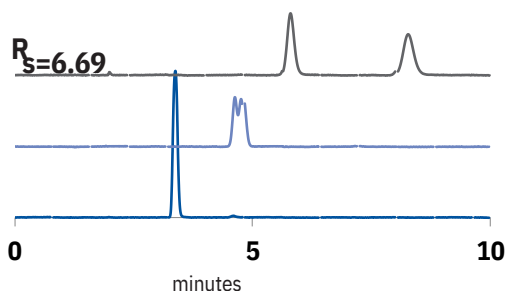


REFLECT™ Columns Provide Broad Selectivity and Excellent Stability

REFLECT™ polysaccharide immobilized chiral columns are made using a unique production process of immobilizing the chiral selector on high purity silica gel. Immobilizing the selector improves the stability of the chiral phase and broadens the range of mobile phase options.

Broad Selectivity

Optimize separation with a range of phases

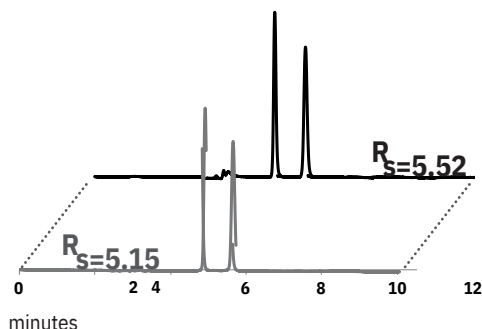


■ REFLECT I-Cellulose A ■ REFLECT I-Cellulose B ■ REFLECT I-Cellulose C

Compound: Nimodipine
 Column Size: 5 μ m, 25 cm x 4.6 mm
 Mobile Phase: (85/15/0.1)
 Hexane/IPA/DEA Flow Rate: 1.5 mL/min

Excellent Stability

No loss of resolution after over 400 column volumes of ethyl acetate



■ Initial run ■ >400 column volumes of 100% ethyl acetate

Compound: Hydrobenzoin
 Column: REFLECT I-Amylose A, 5 μ m, 25 cm x 4.6 mm
 Mobile Phase: (70/30) Hexane/Ethanol
 Flow Rate: 1.0 mL/min

REFLECT™ Immobilized Phase Characteristics

Column	Selector	EQUIVALENT Competitive Products	USP	Particle Sizes	pH Range
REFLECT™ I-Amylose A	Amylose tris (3,5-dimethylphenylcarbamate)	CHIRALPAK® IA, IA-3; LUX® i-Amylose 1	L99	3, 5, 10, 20 μ m	2 – 8*
REFLECT™ I-Cellulose B	Cellulose tris (3,5-dimethylphenylcarbamate)	CHIRALPAK® IB, IB-3	N/A		
REFLECT™ I-Cellulose C	Cellulose tris (3,5-dichlorophenylcarbamate)	CHIRALPAK® IC, IC-3; LUX® i-Cellulose 5	N/A		
REFLECT™ I-Cellulose J	Cellulose tris (4-methylbenzoate)	Similar to CHIRALPAK® IJ, IJ-3	N/A		
REFLECT™ I-Cellulose Z	Cellulose tris (3-chloro-4-methylphenylcarbamate)	Similar to CHIRALCEL® OZ; LUX® Cellulose-2	N/A	3,5 μ m	

*Operating at the upper limit may shorten the column life.