

# ProntoSIL

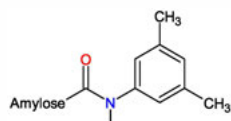
## CHIRAL

High Performance Liquid Chromatography has become a more widely used technique for direct separation of Chiral compounds.

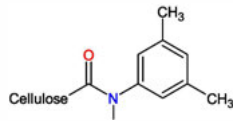
BISCHOFF Chromatography has developed a wide range of high quality Chiral columns which gives high efficiency and excellent peak separation with an extensive range of bonding options to choose from.

Our unique packing technology & Precise column quality control ensures our column to column & batch to batch reproducibility of our Chiral columns.

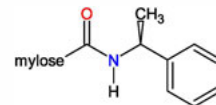
**Our mission at BISCHOFF is to only have satisfied customers.**



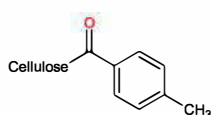
**ProntoSIL Chiral PAD**  
(Chiralpak AD, Lux Amylose-1)



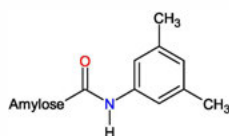
**ProntoSIL Chiral POD**  
(Chiralcel OD, Lux Cellulose-1)



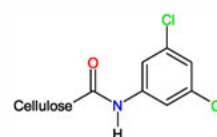
**ProntoSIL Chiral PAS**  
(Chiralpak AS)



**ProntoSIL Chiral POJ**  
(Chiralcel OJ, Lux Cellulose-3)



**ProntoSIL Chiral PIA**  
(Chiralpak IA)



**ProntoSIL Chiral PIC**  
(Chiralpak IC)

## PRONTOSIL CHIRAL COLUMN PHASE DESCRIPTION

### ProntoSIL CHIRAL PHASES

ProntoSIL CHIRAL PAD  
ProntoSIL CHIRAL POD  
ProntoSIL CHIRAL PAS

ProntoSIL CHIRAL POJ  
ProntoSIL CHIRAL PIA  
ProntoSIL CHIRAL PIC

### Chiral sector

Amylose tris (3,5-dimethylphenylcarbamate)  
Cellulose tris (3,5-dimethylphenylcarbamate)  
Amylose tris(S)-alpha-methylbenzylcarbamate

Cellulose tris (4-methylbenzoate)  
Amylose tris (3,5-dimethylphenylcarbamate)  
Cellulose tris (3,5-dichlorophenylcarbamate)

- All mentioned phases are also available in SFC and prep.
- We also give support for column equivalency.



# PHASE COMPARISON:

## L Notification

## ProntoSIL

## Daicel

## Phenomenex

## YMC

<b>L51</b>	ProntoSIL CHIRAL PAD-10	Chiral Pak AD	Lux Amylose-1	CHIRAL ART Amylose-C
<b>L40</b>	ProntoSIL CHIRAL POD-10	Chiral Pak OD	Lux Cellulose-1	CHIRAL ART Cellulose-C
<b>L90</b>	ProntoSIL CHIRAL PAS-10	Chiral Pak AS	Amylose tris(S)- $\alpha$ -methylbenzylcarbamate)	
<b>L80</b>	ProntoSIL CHIRAL POJ-10	Chiral Pak OJ	Lux Cellulose-3	
<b>L99</b>	ProntoSIL CHIRAL PIA-10	Chiral Pak IA	Lux i-Amylose-1	
<b>L119</b>	ProntoSIL CHIRAL PIC-10	Chiral Pak IC	Lux i-Cellulose-5	
<b>L51</b>	ProntoSIL CHIRAL PAD-5	Chiral Pak AD-H	Lux Amylose-1	CHIRAL ART Amylose-C
<b>L40</b>	ProntoSIL CHIRAL POD-5	Chiral Pak OD-H	Lux Cellulose-1	CHIRAL ART Cellulose-C
<b>L90</b>	ProntoSIL CHIRAL PAS-5	Chiral Pak AS-H		
<b>L80</b>	ProntoSIL CHIRAL POJ-5	Chiral Pak OJ-H	Lux Cellulose-3	
<b>L99</b>	ProntoSIL CHIRAL PIA-5	Chiral Pak IA-H	Lux i-Amylose-1	Amylose-SA
<b>L119</b>	ProntoSIL CHIRAL PIC-5	Chiral pak IC-H	Lux i-Cellulose-5	Cellulose-SC

# CHIRAL COLUMN CARE:

(Normal phase CHIRAL column)

- System must be free from aqueous contamination.
- Flush the system without column with isopropyl alcohol then by using respective mobile phase after this procedure connect the respective column and set parameters as per methods requirement.
- Samples should preferably be dissolved in the mobile phase.
- The mobile phase and the sample solution should be filtered through a membrane filter of approximately 0.5µm
- Porosity to ensure that there is no precipitate before using.

# CHIRAL COLUMN STORAGE:

(Normal phase CHIRAL column)

- For column storage, remove the acidic or basic additives by flushing the column with several column volumes of the same mobile phase, but without the additive.
- Columns can be stored with ends capped in the additive-free mobile phase, or the shipping solvent, at room temperature.
- Operating these columns in accordance with the guidelines outlined here will result in a long column life.