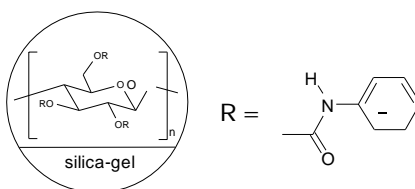


## INSTRUCTION MANUAL FOR CHIRALCEL® OC-H

**Please read this instruction sheet completely before using this column**

### Column Description

**Packing composition:** Cellulose tris(phenylcarbamate) coated on **5µm silica-gel**.



**Shipping solvent:** Methanol / Ethanol (70:30 v/v)

This column has been pre-tested before packaging. Test parameters and results, as well as the Column Lot Number, are included on a separate (enclosed) page.

### CAUTION

The entire HPLC system including the injector and the injection loop must be flushed with a solvent compatible with the column and its storage solvent prior to connecting. Many of the solvents commonly used in HPLC eluents such as acetone, chloroform, DMF, dimethylsulfoxide, ethyl acetate, methylene chloride and THF may DESTROY the chiral stationary phase if they are present, even in residual quantities, in the system. If an auto-sampler is used, then the solvent employed to flush this unit between injections should also be changed and the relevant solvent lines flushed.

### Operating Conditions

250 x 4.6 mm i.d. Analytical column	
Flow rate direction	As indicated on the column label
Typical Flow rate ①	~ 0.5 to 1ml/min <b>Do not exceed 1.5ml/min</b>
Pressure limitation	Should be maintained < 300 Bar (4350 psi) for maximum column life
<b>Temperature</b>	0 to 40°C

① The maximum flow rate depends on the mobile phase viscosity (mobile phase composition), and should be adjusted in accordance with the pressure upper's limit (i.e. 300 Bar).

## Operating Procedure

 **Please contact Chiral Technologies for further assistance before trying any solvents not mentioned below.**

### A - Mobile Phases

	Methanol / Ethanol
<b>CHIRALCEL® OC-H</b> 250 x 4.6 mm i.d.	100/0 to 0/100

### B - Sample

Samples should be dissolved in the mobile phase and filtered through a membrane filter of approximately 0.5µm porosity.

## Column Care / Maintenance

- ❑ The use of a guard cartridge is highly recommended for maximum column life.
- ❑ When washing is required, flush pure Ethanol for 3 hours.
- ❑ Store the column capped, at room temperature, filled with Methanol / Ethanol (70:30 v/v).

## Important Notice

⇒ STRONGLY BASIC solvent modifiers or sample solutions MUST BE AVOIDED, because they are likely to damage the silica gel used in this column.

*Operating this column in accordance with the guidelines outlined here will result in a long column life.*

⇒ If you have any questions about the use of these columns, or encounter a problem, contact:

In the USA: [questions@cti.daicel.com](mailto:questions@cti.daicel.com) or call 800-6-CHIRAL  
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