

# HPLC Application

ID No.: 18867

## Terfenadine on Lux 5 µm Cellulose-1 by Chiral SFC (loading and scale up)

**Column:** Lux® 5 µm Cellulose-1, LC Column 250 x 21.2 mm, AXIA™ Packed, Ea

**Dimensions:** 250 x 21.2 mm ID

**Order No:** 00G-4459-P0-AX

**Elution Type:** Isocratic

**Eluent A:** Methanol with 0.1% DEA

**Eluent B:** CO<sub>2</sub>

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	25	75

**Flow Rate:** 50 mL/min

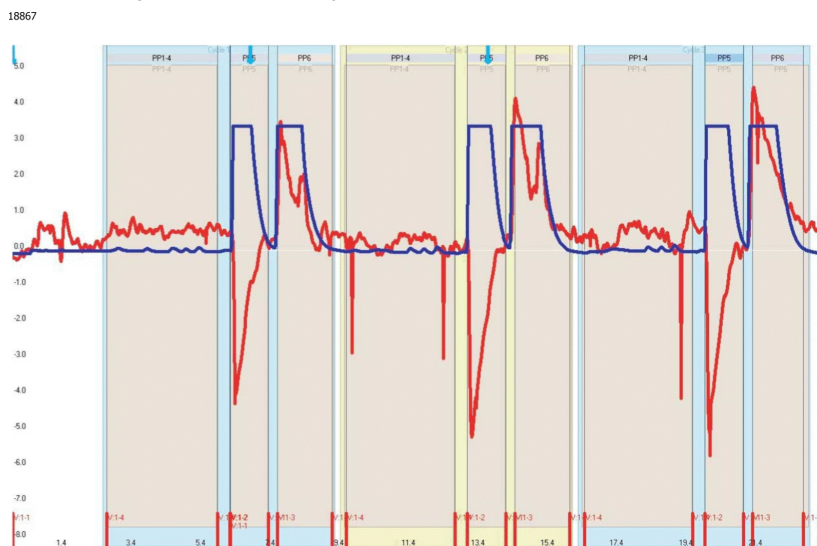
**Col. Temp.:** 35 °C

**Detection:** UV-Vis Abs.-Diode Array (PDA) @ 220 nm (ambient)

**Analyst Note:** Application using combination of UV-Vis detector (red trace) and PDR-Chiral Advanced Laser Polarimeter (blue trace) showing 3 purification cycles. Courtesy of PDR-Chiral, Inc. 105mg in 3.5mL on-column injection of Terfenadine.



Products used in this application:



### ANALYTES:

1 Terfenadine

2 Terfenadine