

## Chiral separation of Dihydrofuranone

**Method** VCR0024J  
**HPLC** Chiral HPLC

**Column:** Eurocel 01, 250 x 4.6 mm ID  
with precolumn

**Order No.** 25VM370ECJ

**Phase:** Eurocel 01, 5  $\mu\text{m}$

**Conditions:** Eluent: Heptane / 1 - Butanol 99.9:0.1 (v/v)  
Gradient: isocratic  
Flow rate: 1.0 ml/min  
Temperature: 20  $^{\circ}\text{C}$   
Volume: 10  $\mu\text{l}$

**Detection:** UV at 210 nm

**Substances:** Dihydrofuranone, 4-(s-tolyl)dihydrofuran-2(3M)-one

**Keywords:** chiral separation, Eurocel 01, cellulose based chiral selector, pesticides

**Chromatogram:**

$k'1 = 23.7$

$k'2 = 26.3$

$\alpha = 1.1$

