

## Chiral separation of Mandelic acid

**Method** VCR0033J  
**HPLC** Chiral HPLC

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

**Order No.** 25VM370ECJ

**Phase:** Eurocel 01, 5  $\mu$ m

**Conditions:** Eluent: Hexane / 2-Propanole 80:20 (v/v) + 0.1% TFA  
Gradient: isocratic  
Flow rate: 0.5 ml/min  
Temperature: 25 °C  
Volume: 10  $\mu$ l

**Detection:** UV at 215 nm

**Substances:** Mandelic acid;  $\alpha$ -Hydroxyphenylacetic acid

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

### Chromatogram:

$k'1 = 0.49$

$k'2 = 0.70$

$\alpha = 1.43$

