

## Separation of Phenols

**Method** VEV0025J  
**HPLC** RP Mode

**Column:** Eurospher II 100-3 C18P, 100 x 3.0 mm ID

**Order No.** 10CE182E2G

**Phase:** Eurospher II 100-3 C18P

**Conditions:** Eluent: A: Water + 0.1% Formic acid  
B: Methanol + 0.1% Formic acid  
Gradient: 0 – 20 min 30% - 90% B  
5 min hold  
Flow rate: 0.5 ml/min  
Temperature: 40 °C  
Volume: 1 µl

**Detection:** UV at 280 nm

**Substances:** Phenol, 4-Nitrophenol, 2,4-Dinitrophenol, 2-Chlorphenol, 2-Nitrophenol, 2,3-Dimethylphenol, 2-Methyl-4,6-dinitrophenol, 4-chloro-3-methylphenol, 2,4-Dichlorphenol, 2,4,6-Trichlorphenol, Pentachlorphenol

**Keywords:** Phenols

### Chromatogram:

1. Phenol
2. 4-Nitrophenol
3. 2,4-Dinitrophenol
4. 2-Chlorphenol
5. 2-Nitrophenol
6. 2,3-Dimethylphenol
7. 2-Methyl-4,6-dinitrophenol
8. 4-chloro-3-methylphenol
9. 2,4-Dichlorphenol
10. 2,4,6-Trichlorphenol
11. Pentachlorphenol

