

## Separation of Anilines and Sulfonamides by HPLC with electrochemical detection

**Method**  
HPLC

VPH0012J  
RP Mode

**Column:** Eurospher 100-5 C18, 250 x 4.0 mm ID

**Order No.** 25DE181ESJ

**Phase:** Eurospher 100-5 C18

**Conditions:** Eluent: Methanol / Water (1:1) with 2 g/l KNO<sub>3</sub> and 0.05 g/l Sulfuric acid  
Gradient: isocratic  
Flow rate: 0.7 ml/min  
Temperature: 25 °C  
Volume: 10 µl

**Detection:** Amperometric detection, glassy carbon electrode, range 100 nA  
+1000 mV for o-Toluidine / 1200 mV for sulfonamides,

**Substances:** Toluidine-o, Sulfanilamide, Sulfamethoxydiazine

**Keywords:** Drugs, Antibiotics

**Chromatogram:**

1. o-Toluidine
2. Sulfanilamide
3. Sulfmethoxydiazone

