

Separation of Sulfa drugs II

Method
HPLC

VPH0033J
RP Mode

Column: Eurospher 100-3 C18, 150 x 3.0 mm ID

Order No. 15CE181ESG

Phase: Eurospher 100-3 C18

Conditions:

Eluent:	A: Acetonitrile B: 0.2 g NaH ₂ PO ₄ in 1000 ml Water (pH 4 with H ₃ PO ₄)
Gradient:	0 – 3.5 min 22 % A 3.5 – 4.5 min 22% - 30% A 4.5 – 6 min 30% - 90% A 6 – 8 min 90% A
Flow rate:	0 - 3.5 min 0.2 ml/min 3.5 - 10 min 0.4 ml/min
Temperature:	40 °C
Volume:	10 µl

Detection: UV at 265 nm

Substances: Sulfadiazine, Sulfamethiazole, Sulfamethoxypyridazine, Sulfamethoxazole, Sulfadimethoxine

Keywords: Sulfa drugs, antibiotics

Chromatogram:

1. Sulfadiazine
2. Sulfamethiazole
3. Sulfamethoxypyridazine
4. Sulfamethoxazole
5. Sulfadimethoxine

