

Sample Preparation

Mix 0.3 mL whole blood and 1.2 mL 300 mM phosphate buffer (pH 10). Centrifuge at 12,100 x g for 5 mins and take the supernatant.

Centrifugation
Speed : 1,000 x g



Centrifuge

2 mins

1. Conditioning

Add 300 μ L methanol
↓ Centrifuge
Add 300 μ L 300 mM phosphate buffer (pH 10)



Centrifuge

2 mins

2. Adsorption

Add 1 mL supernatant sample solution



Centrifuge

2 mins

3. Rinsing

Add 300 μ L 300 mM phosphate buffer (pH 10)



Centrifuge

2 mins

4. Elution

Add 100 μ L methanol



Purified Sample

Conditions

Column : InertSustain Phenyl (3 μ m, 150 x 2.1 mm I.D.)
Eluent : acetonitrile-HCOONH₄ (10 mM, 0.1 % HCOOH) = 25:75 (v/v)
Flow Rate : 0.2 mL/min
Col. Temp. : 40 °C
Detection : MS (ESI)

