

Data code:

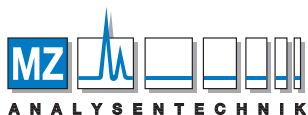
G00742

Application Title:

Separation of urinary organic-solvent metabolites by reversed-phase chromatography.

Compound:

- 1) benzoylformic acid;
- 2) hippuric acid;
- 3) (S)-(+)-mandelic acid;
- 4) o-methylhippuric acid;
- 5) p-methylhippuric acid;
- 6) m-methylhippuric acid

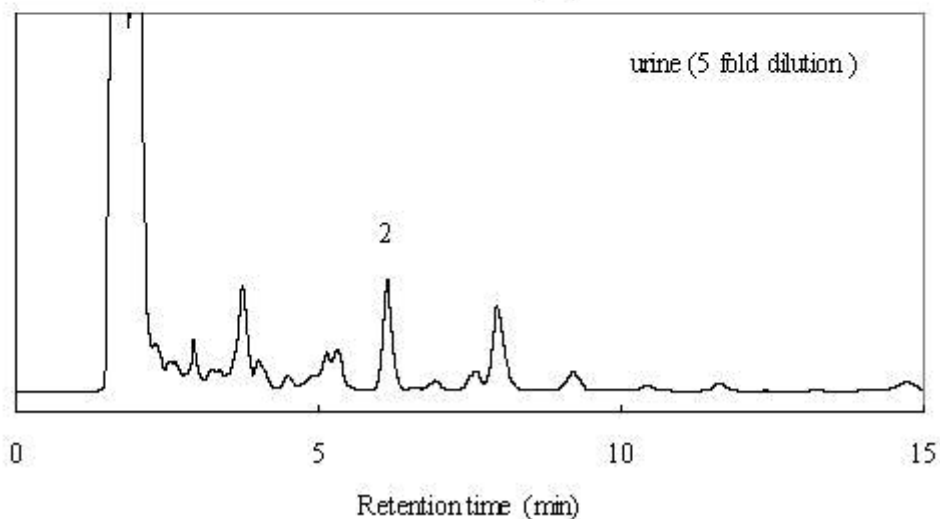
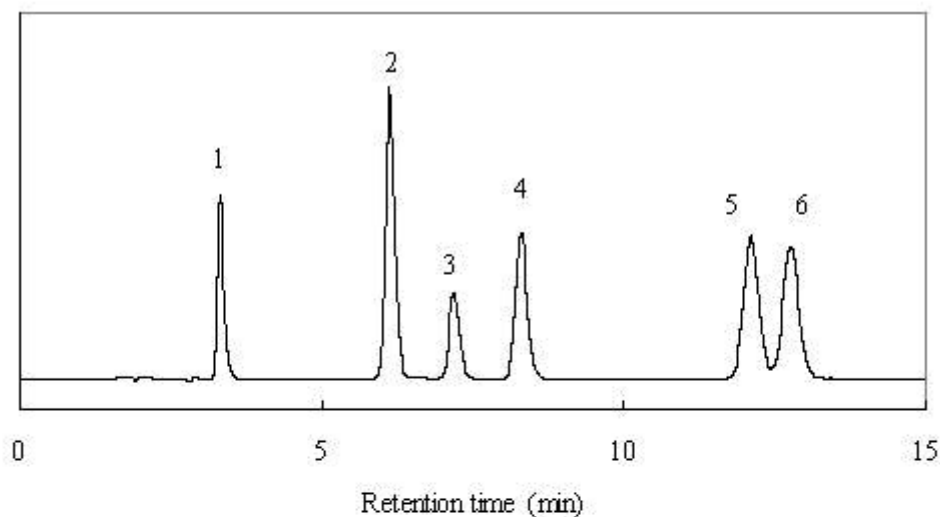


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Chromatographic conditions

Column: TSKgel ODS-100V 5 μ m, P/N 21455, 5 μ m, 4.6 mm ID \times 15 cm \times 1
Mobile Phase: THF / 50 mmol/L sodium dihydrogen phosphate (pH 3.0 with phosphoric acid) = 10 / 90
Flow Rate: 1 mL/min
Detection: UV/VIS @ 220 nm

Chromatographic
conditions

Temperature: 37 °C

Injection Volume: 10 µL

Sample(s): Urine

Sample Load: 5.2 mg/L each

Comments: 1: benzoylformic acid 2: hippuric acid 3: (S)-(+)-mandelic acid 4:
o-methylhippuric acid 5: p-methylhippuric acid 6: m-methylhippuric acid