

Metanephrines in Urine

Application Note

Bioanalysis

Introduction

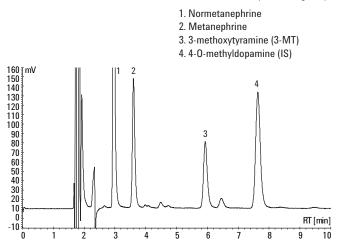
An HPLC separation of four metanephrines in a urine sample was accomplished with an Agilent Polaris C18-A column.

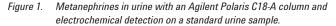


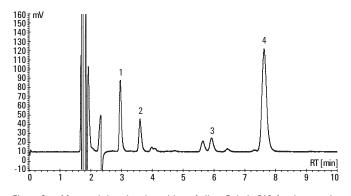
Conditions

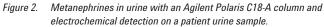
Column	Agilent Polaris C18-A, 4.6 × 150 mm, 5 μm (p/n A2000150X046)
Sample	Standard and patient urine sample
Sample concentration	Urine standard - normetanephrine 3543 nmol/L, metanephrine 1496 nmol/L, 3-methoxytyramine 1638 nmol/L, internal standard (4-0-methyldopamine)
Mobile phase	0.1 M KH ₂ PO ₄ , pH 6.0, 20 mg/L 1-octanesulfonic acid, sodium salt, 1 g/L sodium EDTA, 6% acetonitrile
Flow rate	1.0 mL/min
Injection volume	5 μL
Temperature	30 °C
Detector	ECD, Antec Decade, +0.63 V Glassy Carbon – Ag/AgCl $$

Peak identification (for both figures)









For More Information

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