

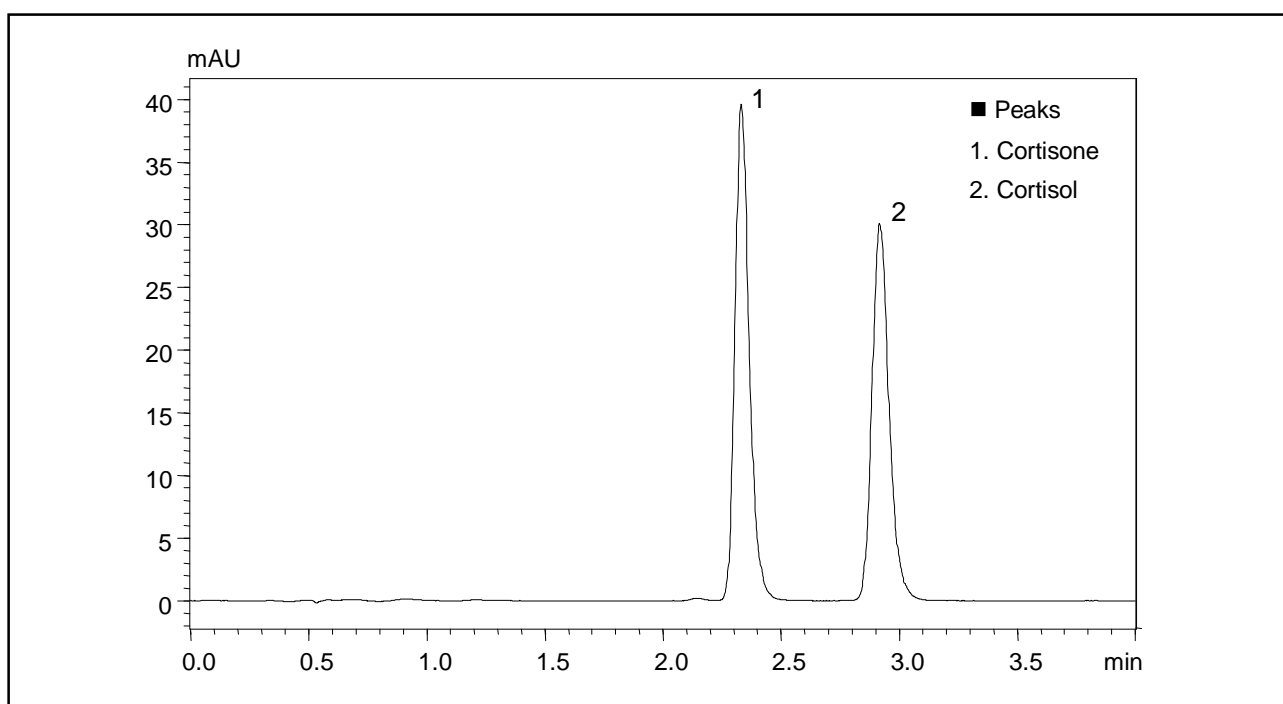
Application Data Sheet

High Performance Liquid Chromatography

No. 32

High-Speed Analysis of Cortisone and Cortisol

Cortisone and cortisol are steroid hormones. Here we present an example of high-speed analysis of cortisone and cortisol.



Analysis of Cortisone and Cortisol

[Sample Preparation]

Standard samples of cortisone and cortisol were dissolved in methanol, then diluted with purified water to create 50 mg/L concentration solutions.

Analytical Conditions

Instrument	: Prominence UFLC system
Column	: Shim-pack XR-ODS (75 mm × 3.0 mm <i>i.d.</i>)
Mobile Phase	: A) Water B) Methanol A/B=1/1
Flow Rate	: 0.8 mL/min
Column Temperature	: 40 °C
Detection	: Absorbance at 242 nm with Semi-micro flow cell
Sample Volume	: 2 µL