

For LabSolutions™ LCMS

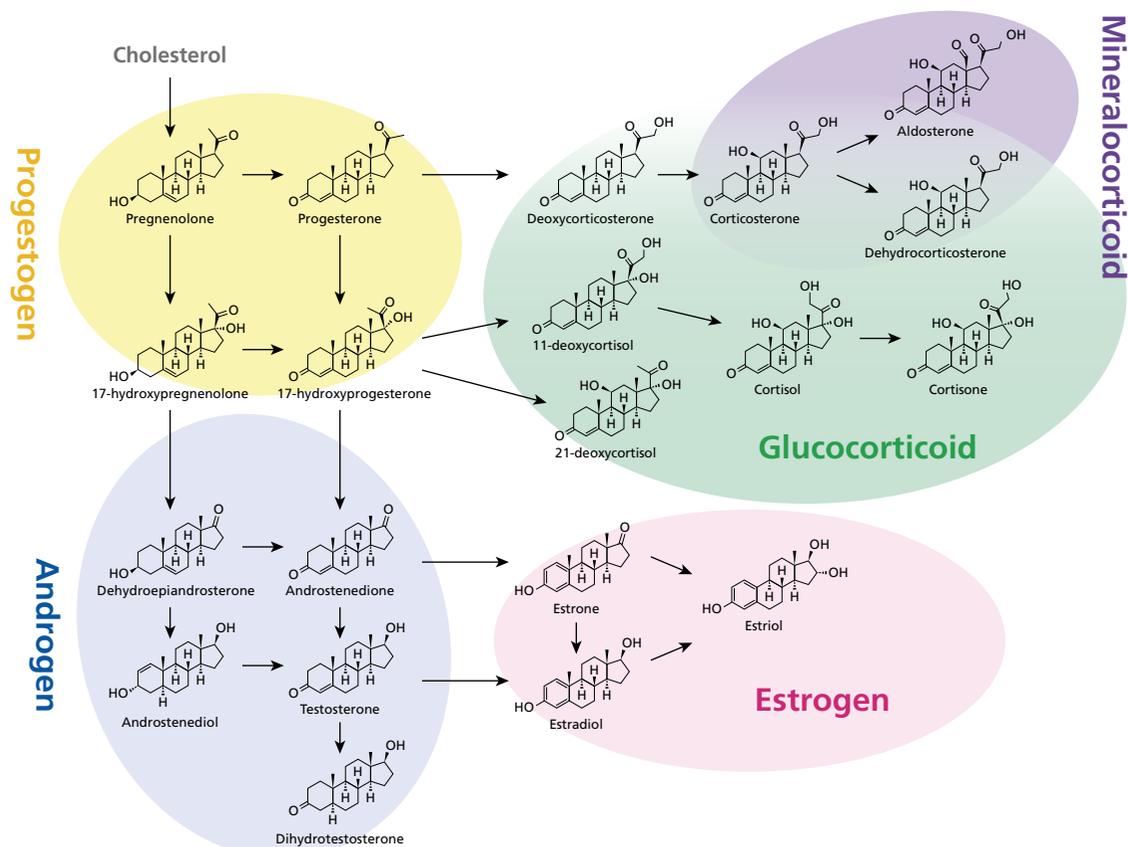
LC/MS/MS Method Package for Steroid Hormones



LCMS-8060NX

Provides Sample Pretreatment Protocols and Analytical Methods for Steroid Hormones

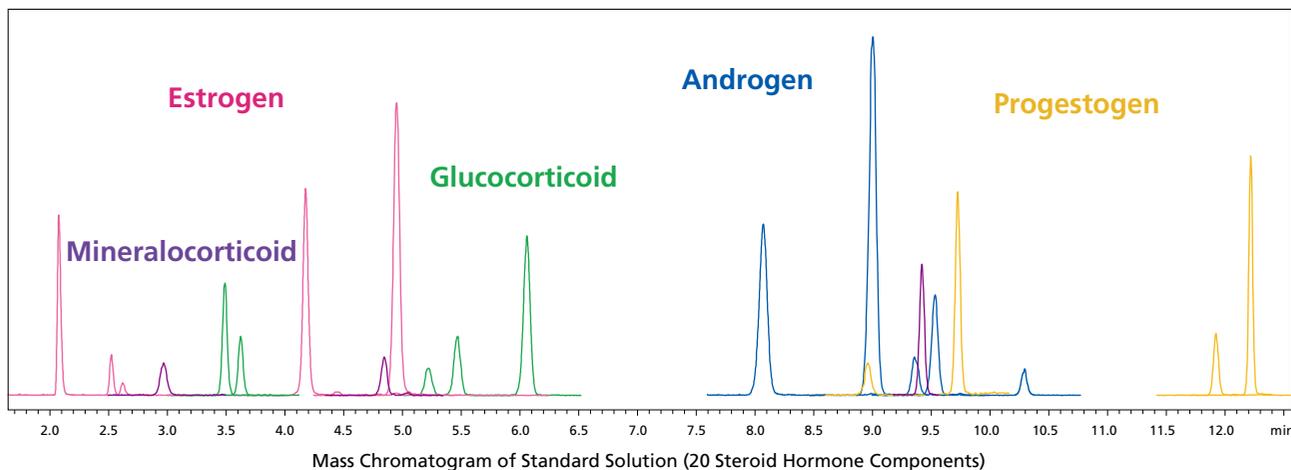
Steroid hormones are a group of biological molecules with a molecular structure that includes a steroid skeleton. They are involved in the control mechanisms for a wide variety of physiological phenomena, such as metabolism, neurotransmission, and gene expression. The LC/MS/MS method package for steroid hormones contains LC/MS/MS analytical methods with optimized analytical conditions and MS parameters for analyzing 20 kinds of steroid hormones and corrective substances. The package enables comprehensive analysis of steroid hormones ranging from adrenocortical hormones, such as mineralocorticoid and glucocorticoid, to sex hormones, such as androgens, estrogens, and progestogens. The instruction manual also describes examples of pretreatment protocols that include derivatization for blood serum. With this method package, steroid hormones can be analyzed without having to investigate sample pretreatment or analytical methods.



LC/MS/MS Method Package for Analyzing Steroid Hormones

Simultaneous High-Sensitivity Analysis of 20 Steroid Hormone Components in 15 Minutes

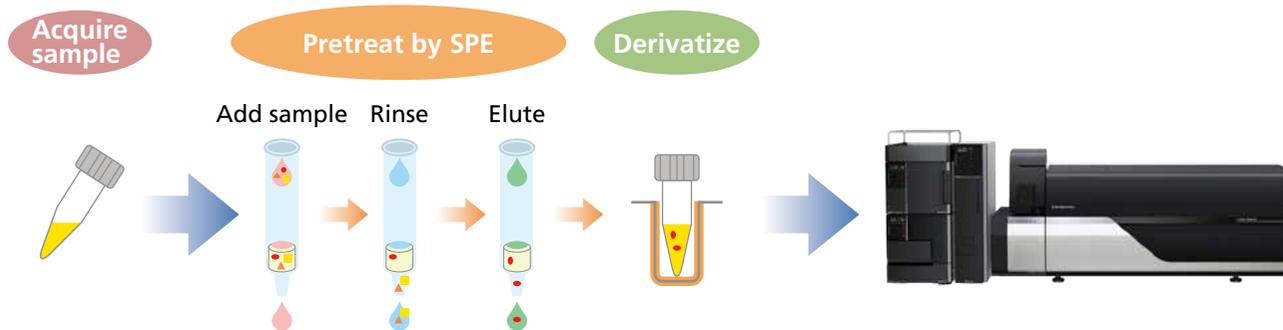
Because steroid hormone concentrations in blood can vary significantly depending on sex, age, and individual differences, a method for simultaneously analyzing steroid hormone components with high sensitivity is needed. ELISA, RIA, and other immunoassay technologies are widely used to qualitatively and quantitatively analyze steroid hormones. However, they require using one antibody for each target compound, which makes it difficult and expensive to use immunoassay techniques for simultaneous analysis or profiling. With this method package, it takes only 15 minutes to simultaneously analyze 20 steroid hormone components with high sensitivity.



Includes Examples of Pretreatment Protocols for Efficiently Extracting Target Substances from Small Quantities of Blood Serum

This method package enables pretreatment including derivatization in order to analyze steroid hormones with high sensitivity. Pretreatment requires only 200 µL sample quantities.

The instruction manual describes pretreatment protocols designed for blood serum, which means the package can be used immediately for all steps from pretreatment to data acquisition and analysis.



Precautions

1. Requires LabSolutions LCMS Ver. 5.118 or later.
2. This method package is intended for research use only.

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