Human 17-ketosteroids (17-KS) ELISA Kit

Catalog No: #EK7570

Package Size: #EK7570-1 48T #EK7570-2 96T

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Description

Product Name	Human 17-ketosteroids (17-KS) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:3.125-200 ng/mL

Sensitivity:1.25 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate 17-KS in samples. An antibody specific for 17-KS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any17-KS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for 17-KS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of 17-KS bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:A 17-ketosteroid is a steroid that has a ketone (C=O) functional group at the C17 position (in the upper right corner of most diagrams.) These compound are products of metabolization of testosterone in most tissues such as liver.

Note: This product is for in vitro research use only