Datasheet for ABIN5651716

Androstenediol ELISA Kit

Go to Product page

Overview

Quantity:	96 tests
Target:	Androstenediol
Reactivity:	Various Species
Method Type:	Competition ELISA
Detection Range:	123.46 pg/mL - 10000 pg/mL
Minimum Detection Limit:	123.46 pg/mL
Application:	ELISA

Product Details

Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Androstenediol (AED). No significant cross-reactivity or interference between Androstenediol (AED) and analogues was observed.
Sensitivity:	49.5 pg/mL

Target Details

Target:	Androstenediol
Alternative Name:	Androstenediol (Androstenediol Products)

Target Details

Target Type:	Hormone
Background:	Gene Name: Androstenediol Gene Aliases: 5-AED, 5AED, 5-Androstenediol, Androst-5-Ene-3Beta,17Beta-Diol

Application Details

Comment:	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
Assay Time:	2 h
Plate:	Pre-coated
Protocol:	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Androstenediol (AED) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Androstenediol (AED) and unlabeled Androstenediol (AED) (Standards or samples) with the pre-coated antibody specific to Androstenediol (AED). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Androstenediol (AED) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Androstenediol (AED) in the sample.
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Androstenediol (AED) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Androstenediol (AED) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Restrictions:	For Research Use only

Handling

Handling Advice:	The Stop Solution is acidic. Do not allow to contact skin or eyes. Calibrators, controls and

Handling

	specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months