

Quantitative DHEA-S saliva ELISA Kit.

Catalog No: tcle8481



Available Sizes

Size: 96Tests



Specifications

Application:

ELISA for the quantitative determination of DHEA-S in saliva samples.

Research Area:

Endocrinology

Sample Type:

Saliva, 50 µl

Assay Type:

Competitive ELISA

Sensitivity:

0.05 pg/ml

Detection Range:

Standard Range 0 / 0.2 - 12 ng/ml

Recovery:

0.5 - 1.5 - 6.0 ng/mL

Assay Time:

30 minutes.

Detection Method:

Read at 450nm against reference wavelength of 620-630 nm

Storage Instruction:

Refrigerated at 2 °C - 8 °C

Notes

Intra Assay Variation \leq 7.8%.(CV) Inter Assay Variation \leq 14.9%.(CV)

Product Description

Dehydroepiandrosterone sulfate (DHEA-S) is a endogenous natural steroid hormone with 19 carbon atoms. It is the principal steroid hormone produced by the secretion of the adrenal glands, but it is also produced in the gonads and brain. DHEA-S is the most abundant circulating steroid in human beings.

DHEA-S is a natural steroid hormone found primarily in the kidneys and it is derived from the enzymatic conversion of DHEA in the adrenal and extra-adrenal tissues. It is the most abundant hormone in the human body and is a precursor of all sex steroids. As most DHEA-S is produced by the zona reticularis of the adrenal, it is argued that there is a role in the immune and stress response. DHEA-S may have more biologic roles: for example its production in the brain suggests a role as neurosteroid.

The majority of DHEA-S in saliva is non-protein bound and enters the saliva via intracellular mechanisms.

Salivary DHEA-S levels are unaffected by salivary flow rate or salivary enzymes.

Measurement of serum DHEA-S is a useful marker of adrenal androgen synthesis. Abnormally low levels may occur in have been reported in hypoadrenalism, while elevated levels occur in several conditions, e.g. virilizing adrenal adenoma and carcinoma, 21-hydroxylase and 3β -hydroxysteroid dehydrogenase deficiencies and in some cases of female hirsutism. Women with polycystic ovary syndrome tend to have normal or mildly elevated levels of DHEAS.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!