

# Androstendione

## General:

Androstendione belongs (together with DHEA) to the 17-ketosteroids formed at an early stage of the steroid hormone cascade (estrone, estradiol, testosterone and dihydrotestosterone). 60% of Androstenedione are synthesized in the suprarenal cortex out of progesterone; the remaining part originates from the ovary. The daily production of androstendione is controlled by a feedback mechanism of ACTH as well as LH.

The androstenedione level increases considerably in the middle of the cycle. DHEA-S is a weak androgen and is formed mainly in the suprarenal cortex. In contrast to androstenedione, DHEA-S is not subject to any control by ACTH. In synthesis abnormalities of hormones, e.g. enzymatic block in the suprarenal cortex (AGS), the diagnosis can be supported by testing the increased pre-hormone androstenedione.

Material: 1 ml serum

TAT: 7-10 days\*

Method: LCMS

Units: ng/ml

Ref.- range: see report

Note: increased levels (up to 30%) are found in the middle of the cycle (ovulation)

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>