

# Dihydrotestosterone

## General:

Dihydrotestosterone (DHT, full name: 5 $\alpha$ -Dihydrotestosterone, synonym: an-drostanolone) is a biologically active metabolite of the hormone testosterone, formed primarily in the prostate gland, testes, hair follicles, and adrenal glands by the enzyme 5 $\alpha$ -reductase by means of reducing the 4,5 double bond. Dihydrotestosterone belongs to the androgens. DHT is 3 times more potent than testosterone; testosterone is 5-10 times more potent than adrenal androgens.

DHT is the primary contributing factor in male and female baldness. Women with increased levels of DHT may develop certain androgynous male secondary sex characteristics, including a deepened voice and facial hair. DHT may play a role in the development or exacerbation of benign prostatic hyperplasia (BPH), and prostate cancer, by enlarging the prostate gland. DHT is also known to participate in the development in some cases of acne.

Material: 1 ml serum

TAT: 7-10 days\*

Method: LCMS

Units: pg/ml

Ref.- range: see report

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