# 5 ALPHA- DIHYDROTESTOSTERONE OR 5 ALPHA DHT

Profile Details | 1 Parameters

Fasting: Fasting not mandatory | Report Time: Within 4Days

**Specimen Required:** Blood

**Price-** ~~₹4000~~ **₹2199**

## Parameters Included

## About This Test

5-alpha dihydrotestosterone (DHT) testing is conducted to measure the levels of this hormone in the body. DHT is a potent androgen derived from testosterone through th action of the enzyme 5-alpha reductase. It plays several important roles in both men and women: 1. **In Men:** - **Development of Male Sexual Characteristics:** DHT is crucial for the development and maintenance of male reproductive tissues, such as the prostate gland and seminal vesicles. - **Androgenic Effects:** It is more potent tha testosterone in its androgenic effects, contributing to the development of secondary sexual characteristics like facial hair growth and deepening of the voice. - **Hair Follicle Sensitivity:** DHT is implicated in male pattern baldness (androgenetic alopecia), as it binds to receptors in hair follicles, causing them to shrink over time. 2. **In Women:** - **Androgen Excess Disorders:** Elevated DHT levels can contribute to symptoms of hyperandrogenism in women, such as hirsutism (excessive body hair growth), acne, and menstrual irregularities. - **Fertility Issues:** DHT imbalance can affect ovarian function and fertility. ### Reasons for 5-alpha Dihydrotestosterone Testing: - **Diagnosis of Androgen-related Disorders:** Testing DHT levels helps diagnose conditions like androgenetic alopecia, hirsutism, and disorders of sexual development. - **Evaluation of Prostate Health:** In men, DHT levels may be measured to assess prostate function and evaluate conditions such as benign prostatic hyperplasia (BPH) or prostate cancer. - **Monitoring Hormonal Therapies:** DHT levels may be monitored in individuals undergoing hormone replacement therapy (HRT), especially in cases where DHT levels need to be controlled, such as in transgender hormone therapy. - **Research Purposes:** DHT testing is also used in research to understand the role of androgens in various physiological processes and diseases. ### Procedure: - **Blood Sample Collection:** Similar to other hormone tests, DHT testing involves drawing a blood sample, usually from a vein in the arm. ### Clinical Significance: By measuring DHT levels, healthcare providers can better understand hormonal imbalances and their implications for reproductive health, sexual development, and overall well-being. This information guides diagnosis, treatment decisions, and ongoing management of conditions associated with androgen excess or deficiency.

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**Fasting 10–12 hrs essential | *Limited Period Offer | *Reports within Within 4Days*

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