Thyrocare

Tests you can trust

Name : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Date : XXXXXXXXX

Test Asked : Free Androgen Index (Fain)

Report Status: Complete Report



First National Diagnostic Chain to have **100% of its Labs with NABL Accreditation#**



98% Reports released within **06 Hours** of sample reaching the lab^



9 out of 10 Doctors Trust that Thyrocare reports are **Accurate & Reliable***



1200+ Tests & Profiles



Temperature-Controlled Sample Logistics



Unique Barcode Tracking



Fully Automated Machines Inspected Daily



Abnormal Values Re-Checked Twice



Reports Verified By Expert MD Pathologists Stationed at Every Lab



Your reports are digitally verifiable

Scan the QR code inside the report to check authenticity of reported values

QR code will remain active for 30 days from report release date

Accredited by

NABL From 2005

ISO 9001: 2015 - From 2015

CAP From 2007

Dummy Report

PROCESSED AT :

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400 703 9870666333 wellness@thyrocare.com

First National Diagnostic Chain to have 100% of its Labs with NABL Accreditation#

NAME : XXXXXXXXXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXXXXXXXXX
TEST ASKED : FREE ANDROGEN INDEX (FAIN)

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXX

Report Availability Summary

Note: Please refer to the table below for status of your tests.

3 Ready | **0** Ready with Cancellation | **0** Processing | **0** Cancelled in Lab

TEST DETAILS	REPORT STATUS
FREE ANDROGEN INDEX (FAIN)	Ready
FREE ANDROGEN INDEX	Ready
SEX HORMONE BINDING GLOBULIN (SHBG)	Ready
TESTOSTERONE	Ready

Dummy Report

PROCESSED AT :

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

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REF. BY : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
TEST ASKED : FREE ANDROGEN INDEX (FAIN)

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
SEX HORMONE BINDING GLOBULIN (SHBG)	C.L.I.A	23	nmol/L

Bio. Ref. Interval. :-

Males 10 - 57 nmol/L

Females
Non-Pregnant : 18 - 144

Clinical Significance:

Sex hormone binding globulin (SHBG) has a high affinity for testosterone and Estradiol, and is a major factor regulating their distribution between the protein-bound and free states. The ratio of testosterone to SHBG is also known as the free androgen index (FAI) or the free testosterone index (FTI). This ratio correlates well with both measured and calculated values of free testosterone and helps to discriminate subjects with excessive androgen activity from normal individuals. For diagnostic purpose, results should always be assessed in conjunction with the patients medical history, clinical examination and other findings.

Specifications:

Precision: Intra assay (%CV): 5.30 %, Inter assay (%CV):6.60%
Sensitivity: < 0.02 nmol/l and Specificity: no detectable cross- reactivity

Kit validation reference:

Bond A, Davis C. Sex Hormone binding globulin in clinical perspective, ActaObset Gynecol Scand 1987;66:255-62

Please correlate with clinical conditions.
Method:- SOLID-PHASE TWO-SITE CHEMILUMINESCENT IMMUNOMETRIC ASSAY

Dummy Report

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
TEST ASKED : FREE ANDROGEN INDEX (FAIN)

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
TESTOSTERONE	C.L.I.A	566	ng/dL

Bio. Ref. Interval. :-

Adult Male
21 - 49 Yrs : 164.94 - 753.38 || 50 - 89 Yrs : 86.49 - 788.22
Adult Female
Pre-Menopause : 12.09 - 59.46 || Post-Menopause: < 7.00 - 48.93
Boys
2-10 Years : < 7.00 - 25.91
11 Years : < 7.00 - 341.53
12 Years : < 7.00 - 562.59
13 Years : 9.34 - 562.93
14 Years : 23.28 - 742.46
15 Years : 144.15 - 841.44
16-21 Years : 118.22 - 948.56
Girls
2-10 Years : < 7.00 - 108.30
11-15 Years : < 7.00 - 48.40
16-21 Years : 17.55 - 50.41

Clinical Significance: Clinical evaluation of serum testosterone, along with serum LH, assists in evaluation of Hypogonadal males. Major causes of lowered testosterone in males include Hypogonadotropic hypogonadism, testicular failure Hyperprolactinema, Hypopituitarism some types of liver and kidney diseases and critical illness.

Specifications: Precision: Intra assay (%CV): 8.5 %, Inter assay (%CV): 12.6%; Sensitivity: 7 ng/dL.

Kit Validation Reference: Kicklighter EJ, Norman RJ. The gonads. In: Kaplan LA, Pesce AJ, eds. Clinical Chemistry: Theory, Analysis, Correlation. 2nd ed. St. Louis: CV Mosby; 1989:657–662.

Please correlate with clinical conditions.
Method:- COMPETITIVE CHEMI LUMINESCENT IMMUNO ASSAY

Dummy Report

Sample Collected on (SCT) : Sample collection time
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Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

PROCESSED AT :

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NAME : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
TEST ASKED : FREE ANDROGEN INDEX (FAIN)

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
FREE ANDROGEN INDEX	CALCULATED	85.3	Index

Bio. Ref. Interval. :-

< 5.0

Clinical Significance :
Hyperandrogenism, a key feature of polycystic ovarian syndrome (PCOS), is caused by excess androgen secretion, most commonly of ovarian origin. Although the serum total testosterone (TT) levels have long been used as a traditional measure of hyperandrogenemia in women with PCOS, it is associated with many fallacies due to the fact that a component of TT is linked to sex hormone-binding globulin (SHBG). Recent research has discovered that computing the free androgen index (FAI), which is a ratio of TT and SHBG, are better predictors of androgen excess in PCOS.

Reference:
1. Blume-Peytavi U et al. S1 guideline for diagnostic evaluation in androgenetic alopecia in men, women and adolescents. Br J Dermatol. 2011;164(1):5-15.
2. Prakash Patil et al.Free-androgen Index in Women with Polycystic Ovarian Syndrome: A Meta-Analysis, J Health Allied SciNU 2023;13:380–388

Please correlate with clinical conditions.
Method:- Derived from Total Testosterone and SHBG values

~~ End of report ~~

Dummy Report

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

CUSTOMER DETAILS

As declared in our data base

Name: xxxxxxxxxxxxxxxxx **Age:** xx **Sex:** xxxx **Customer Mobile No:**

Barcodes/Sample_Type	:	xxxxxxxxxxxxxxxxx
Labcode	:	xxxxxxxxxxxxxxxxx
Ref By	:	xxxxxxxxxxxxxxxxx
Sample_Type/Tests	:	SERUM:FREE ANDROGEN INDEX (FAIN)
Sample Collected At	:	Sample collection time
Sample Collected on (SCT)	:	Sample receiving time at Lab
Report Released on (RRT)	:	Report release time
Amount Collected	:	

Thyrocare,D-37/1,MIDC,Turbhe,Navi Mumbai - 400703. | Phone:022 - 6712 3400 |www.thyrocare.com | info@thyrocare.com

Dummy Report

CONDITIONS OF REPORTING

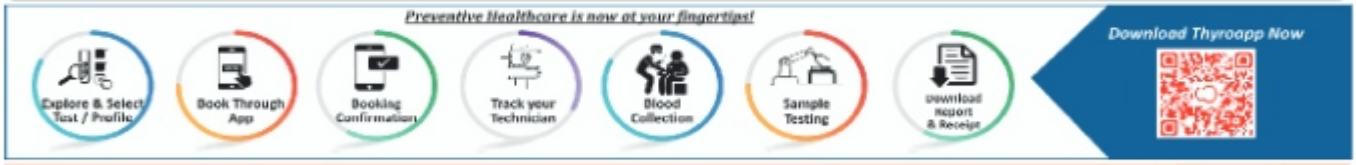
- The reported results are for information and interpretation of the referring doctor only.
- It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- Results of tests may vary from laboratory to laboratory and also in some parameters from time to time for the same patient.
- Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results.
- This report is not valid for medico-legal purpose.
- Neither Thyrocare, nor its employees/representatives assume: (a) any liability, responsibility for any loss or damage that may be incurred by any person as a result of presuming the meaning or contents of the report, (b) any claims of any nature whatsoever arising from or relating to the performance of the requested tests as well as any claim for indirect, incidental or consequential damages. The total liability, in any case, of Thyrocare shall not exceed the total amount of invoice for the services provided and paid for.
- Thyrocare Discovery video link :- https://youtu.be/nbdYeRgYyQc

EXPLANATIONS

- Majority of the specimen processed in the laboratory are collected by Pathologists and Hospitals we call them as "Clients".
- **Name** - The name is as declared by the client and recored by the personnel who collected the specimen.
- **Ref.Dr** - The name of the doctor who has recommended testing as declared by the client.
- **Labcode** - This is the accession number in our laboratory and it helps us in archiving and retrieving the data.
- **Barcode** - This is the specimen identity number and it states that the results are for the specimen bearing the barcode (irrespective of the name).
- **SCP** - Specimen Collection Point - This is the location where the blood or specimen was collected as declared by the client.
- **SCT** - Specimen Collection Time - The time when specimen was collected as declared by the client.
- **SRT** - Specimen Receiving Time - This time when the specimen reached our laboratory.
- **RRT** - Report Releasing Time - The time when our pathologist has released the values for Reporting.
- **Reference Range** - Means the range of values in which 95% of the normal population would fall.

SUGGESTIONS

- Values out of reference range requires reconfirmation before starting any medical treatment.
- Retesting is needed if you suspect any quality shortcomings.
- Testing or retesting should be done in accredited laboratories.
- For suggestions, complaints, clinical support or feedback, write to us at **customersupport@thyrocare.com** or call us on **022-3090 0000**





*+T&C Apply, #As on 5th December 2024, *As per a survey on doctors' perception of laboratory diagnostics (IJARIIT,2023)*