Patient Name	: Mr.Dummy	Collected	: 07/Jul/2026 06:26PM
Age/Gender	: 21 Y 0 M 0 D /M	Received	: 08/Jul/2026 03:04AM
UHID/MR No	: Dummy.0000000	Reported	: 08/Jul/2026 09:52AM
Visit ID	: Dummy101	Status	: Final Report
Ref Doctor	: Dr.SELF	Client Name	: NRL HYDERABAD LAB
IP/OP NO	:	Patient location	: Dummy Location

DEPARTMENT OF IMMUNOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
TESTOSTERONE- FREE , *SERUM*	1.7000	ng/dL	1.5 - 5.0	CLIA

Comment:

Usually, bioavailable and free testosterone levels parallel the total testosterone levels. However, a number of conditions and medications are known to increase or decrease the sex hormone-binding globulin (SHBG) concentration, which may cause total testosterone concentration to change without necessarily influencing the bioavailable or free testosterone concentration, or vice versa.

Treatment with corticosteroids and sex steroids (particularly oral conjugated estrogen) can result in changes in SHBG levels and availability of sex-steroid binding sites on SHBG. In polycystic ovarian syndrome and related conditions, there is often significant insulin resistance, which is associated with low SHBG levels. Consequently, bioavailable or free testosterone levels may be more significantly elevated.

The correlation coefficient between bioavailable and free testosterone (by equilibrium dialysis) is 0.9606

***** End Of Report *****

SIN No:Dummyb001

This test has been performed at Apollo Health & Lifestyle Ltd,Diagnostic Lab,Bowenpally,Secunderabad