



Labsmart Software

Sample Letterhead

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yourlabname@gmail.com

<https://www.yourlabname.in/>**Mr. Dummy**

Age / Sex : 42 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1013



1013

Registered on : 17/10/2024 05:44 PM
Collected on : 17/10/2024
Received on : 17/10/2024
Reported on : 17/10/2024 05:44 PM

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**ENDOCRINOLOGY****FREE THYROID FUNCTION TEST (FTFT)**

TEST	VALUE	UNIT	REFERENCE
FREE TRIIODOTHYRONINE L, FT3	3.1	pg/mL	2 - 4.2
FREE THYROXINE, FT4	16.2	pg/mL	8.9 - 17.2
THYROID-STIMULATING HORMONE, TSH	3.2	μIU/mL	0.3 - 4.5

FT4 is a direct measure of the free T4 hormone concentration (biologically available hormone).

Increased in

Hyperthyroidism, nonthyroidal illness, especially psychiatric.
Drugs: amiodarone, β-blockers (high-dose).

Decreased in

Hypothyroidism, nonthyroidal illness.
Drugs: phenytoin.

The free thyroxine is used along with sensitive TSH assays for detecting clinical hyperthyroidism and hypothyroidism. The TSH assay detects subclinical thyroid dysfunction (normal FT4) and monitors levothyroxine treatment better, whereas the free thyroxine test detects central hypothyroidism and monitors rapidly changing function status better.

- Elevated Free T3 and Free T4 with Low TSH:** This often indicates hyperthyroidism, where the thyroid gland is overactive.
- Low Free T3 and Free T4 with Elevated TSH:** This usually points to hypothyroidism, where the thyroid gland is underactive.
- Normal Free T3 and Free T4 with Normal TSH:** This suggests that the thyroid is functioning normally.
- Normal Free T3 and Free T4 with High TSH:** This could indicate subclinical hypothyroidism, where the thyroid is slightly underactive but not enough to cause obvious symptoms.

Each individual's situation can be unique, so it's always best to discuss test results with a healthcare provider to get a complete understanding in the context of your overall health.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

NOT VALID FOR MEDICO LEGAL PURPOSE

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.