



Labsmart Software

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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. : 1012

1012

Registered on : 17/10/2024 05:42 PM
Collected on : 17/10/2024
Received on : 17/10/2024
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**ENDOCRINOLOGY****THYROID FUNCTION TEST (TFT)**

TEST	VALUE	UNIT	REFERENCE
SERUM TRIIODOTHYRONINE, T3	1.86	ng/mL	0.69 - 2.15
SERUM THYROXINE, T4	98	ng/mL	52 - 127
THYROID-STIMULATING HORMONE, TSH	3.3	μIU/mL	0.3 - 4.5

Physiologic Basis

Total T4 is a measure of thyroid gland secretion of T4, bound and free, and thus is influenced by levels of thyroid hormone binding proteins. Only free T4 is biologically active.

TSH is an anterior pituitary hormone that stimulates the thyroid gland to produce thyroid hormones. Secretion is stimulated by thyrotropin releasing hormones from the hypothalamus. There is negative feedback on TSH secretion by circulating thyroid hormone.

T3 is the primary active thyroid hormone. Approximately 80% of T3 is produced by extrathyroidal deiodination of T4 and the rest by thyroid gland. Total T3 is influenced by levels of thyroxine binding proteins.

Patterns of Thyroid Function Tests in Patients with Thyroid Disease

Type of disease	T4	T3	TSH
Conventional hyperthyroidism (95%)	Raised	Raised	Undetectable
T3 hyperthyroidism (5%)	Normal	Raised	Undetectable
Subclinical hyperthyroidism	Normal	Normal	Undetectable
Primary hypothyroidism	Low	Not indicated	Raised
Subclinical hypothyroidism	Normal	Not indicated	Raised
Secondary hypothyroidism	Low	Not indicated	Undetectable

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab InchargeDr. 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.