



Labsmart Software

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+91 12345 67890

yourlabname@gmail.com

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Age / Sex : 28 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1105



1105

Registered on : 20/11/2024 03:18 PM
Collected on : 20/11/2024
Received on : 20/11/2024
Reported on : 20/11/2024 03:19 PM

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**ENDOCRINOLOGY**

TEST	VALUE	UNIT	REFERENCE
THYROID-STIMULATING HORMONE, TSH	0.37	μIU/mL	0.3 - 4.5

Physiologic Basis

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

Interpretation

Increased in: Hypothyroidism, mild increases in recovery phase of acute illness, subclinical hypothyroidism.
Decreased in: Hyperthyroidism, subclinical hyperthyroidism, acute medical or surgical illness (euthyroid sick syndrome), pituitary hypothyroidism.
Drugs: dopamine, high-dose corticosteroids.

Comments

TSH assays are used for screening thyroid function, aiding the diagnosis of hyperthyroidism and hypothyroidism, and monitoring thyroid replacement therapy. The currently used TSH immunoassays are very sensitive, typically with functional sensitivity of ≤ 0.02 mIU/L. Measurement of serum TSH is the best initial laboratory test of thyroid function. It should be followed by measurement of free thyroxine (FT4) if the TSH value is low and by measurement of anti-thyroperoxidase antibody (TPO Ab) if the TSH value is high. Most experts recommend against routine screening of asymptomatic patients, but screening is recommended for high-risk populations.

~~~ 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.