HEALIC
The Good Hospital

Healic Health Pvt Ltd
Gaur City Plaza, Greater Noida
Gaur City 1, Uttar Pradesh

www.healic.in

Patient Name	: Ms Garima Verma	Barcode	: A0519660
Age/Gender	: 30Y 0M 0D /Female	Sample Collected On	: 07/Aug/2025 02:01PM
Order Id	: 14706841667	Sample Received On	: 07/Aug/2025 09:03PM
Referred By	: Self	Report Generated On	: 07/Aug/2025 10:42PM
Customer Since	: 07/Aug/2025	Sample Temperature	: Maintained ✓
Sample Type	: SERUM	ReportStatus	: Final Report

DEPARTMENT OF IMMUNOLOGY

Test Name	Value	Unit	Bio. Ref Interval
Free-Thyroid Profile			
Free T3 (FT3) Method: CLIA Machine: Siemens Atellica IM1300	2.84	pg/ml	2.3 - 4.2
Free T4 (FT4) Method: CLIA Machine: Siemens Atellica IM1300	1.00	ng/dl	0.89 - 1.76
Thyroid Stimulating Hormone (TSH)-Ultrasensitive Method: CLIA Machine: Siemens Atellica IM1300	4.410	µIU/ml	0.55-4.78

Elevated concentrations of free tri iodothyronine (FT3) occur in Grave's disease and most other classical causes of hyperthyroidism. Decreased concentrations occur in primary hypothyroid diseases such as Hashimoto thyroiditis and neonatal hypothyroidism or secondary hypothyroidism due to defects at the hypothalamo-hypophyseal level. Free T3 may decrease by ≤25% in healthy older persons while FT4 remains normal.
Free thyroxine (FT4) gives corrected values in patients in whom the total T4 is altered on account of changes in serum proteins or in binding sites. Monitoring restoration to normal range is the only laboratory criterion to estimate appropriate replacement dose of levothyroxine because 6–8 weeks are required before TSH reflects these changes.
FT4 assays are prone to inaccurate readings in pregnant women. Anticonvulsant drug therapy (particularly phenytoin) may result in decreased FT4 levels due to an increased hepatic metabolism and secondarily to displacement of hormone from binding sites.
Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night and the nadir occurring between 10 AM & 4 PM. In primary hypothyroidism, thyroid-stimulating hormone (TSH) levels will be elevated. In primary hyperthyroidism, TSH levels will be low. Elevated or low TSH in the context of normal free thyroxine is often referred to as subclinical hypo- or hyperthyroidism, respectively.

For pregnant females	Bio Ref Range for Free T4 (FT4) in ng/dl	Bio Ref Range for TSH in uIU/ml
First trimester	0.73 – 1.13	0.1 - 2.5
Second trimester	0.54 – 1.18	0.2 – 3.0
Third trimester	0.56 – 1.09	0.3 – 3.0

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

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SIN No:A0519660

*Some of the tests in this report have been done via outsourced lab.