# LABORATORY REPORT

| | | | |
|---|---|---|---|
| Name | : **SITA KUMARI** | File. No. | : **AAL02-441053** |
| DOB/Gender | : **09-08-1988 (36 Yrs 7 Month 8 Days/Female)** | Referral Doctor | : **Dr. Aisha Umer** |
| Lab No. | : **22250650319** | Referral Clinic | : **Citicare Medical Center LLC** |
| Request Date | : **06-03-2025 22:56:41** | Clinic File No | : **46070** |
| Insurance | : **GIG GULF (AXA INSURANCE)** | | |

## HORMONES/ENDOCRINE/TUMOR MARKERS

| Test Name | Result | Units | Ref. Range | Method |
|---|---|---|---|---|
| **Free T3 (Tri-iodothyronine - Free)** | 2.62 | pg/mL | 2.0 - 4.4<br>Pregnancy:<br>1st Trimester: 2.5 - 3.9<br>2nd Trimester: 2.1 - 3.6<br>3rd Trimester: 2.0 - 3.3 | ECLIA |

Conversion Formula: (Concentration in pg/mL) x (1.536) = pmol/L. This free fraction represents the physiologically active thyroid hormone.Free T3 is typically elevated to a greater degree than free thyroxine (T4) in Graves' disease.Free T3 is also important in monitoring patients on anti-thyroid therapy where treatment is focused on reducing the T3 production and the T4 conversion to T3.Please note Reference Range Reviewed w.ef 15/10/23

| | | | | |
|---|---|---|---|---|
| **TSH (Thyroid Stimulating Hormone)** | **4.5200** H | µIU/mL | 0.27-4.20<br>Pregnancy:<br>1st Trimester: 0.33 - 4.59<br>2nd Trimester: 0.35 - 4.10<br>3rd Trimester: 0.21 - 3.15 | ECLIA |

*Conversion Formula: (Concentration in IU/ mL) x (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics.Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23 .*

| | | | | |
|---|---|---|---|---|
| **Total T4 (Thyroxine-Total)** | 5.83 | µg/dL | 4.5 - 12.1<br>Pregnancy:<br>1st Trimester: 7.33 - 14.83<br>2nd Trimester: 7.92 - 16.15<br>3rd Trimester: 6.95 - 15.69 | ECLIA |

Conversion Formula: (Concentration in g/dL) x (12.87) = nmol/L.

The determination of T4 is useful for the detection of hyperthyroidism, the detection of primary and secondary hypothyroidism, and the monitoring of TSH-suppression therapy. Please note Reference Range Reviewed w.ef 15/10/23 .

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

*Sample Type : Serum*

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

These tests are accredited under ISO 15189:2022 unless specified by (*)
Sample processed on the same day of receipt unless specified otherwise.
Test results pertains only the sample tested and to be correlated with clinical history.
Reference range related to Age/Gender.

**Dr. Solmaz Siddiqui**
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 06-03-2025 07:22:00
Authenticated On : 06-03-2025 23:54:19
Received On : 06-03-2025 22:57:00
Released On : 06-03-2025 23:55:30

**Esmeralda Obenita**
Lab Incharge
DHA-P-2992011