

DIAGNOSTIC REPORT**SRL**
Diagnostics

Cert. No. MC-3046

CLIENT CODE : C000107636

CLIENT'S NAME AND ADDRESS :
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PATIENT NAME : KUMARIKA BANERJEE

PATIENT ID : KUMAF221079340

ACCESSION NO : 0007UG001476 AGE : 41 Years SEX : Female DATE OF BIRTH :

DRAWN : 08/07/2021 09:51 RECEIVED : 08/07/2021 12:28 REPORTED : 08/07/2021 16:04

REFERRING DOCTOR : SELF

CLIENT PATIENT ID :

Test Report Status	Final	Results	Biological Reference Interval	Units
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ENDOCRINOLOGY**THYROID PANEL BY CHEMILUMINESCENCE,
SERUM**

T3	63.13	Low	80.00 - 200.00	ng/dL
METHOD : CHEMILUMINESCENCE				
T4	5.60		5.10 - 14.10	µg/dl
METHOD : CHEMILUMINESCENCE				
TSH 3RD GENERATION	15.620	High	0.27 - 4.20	µIU/mL
METHOD : CHEMILUMINESCENCE				

Interpretation(s)

THYROID PANEL BY CHEMILUMINESCENCE, SERUM-

Triiodothyronine T3, is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3

Levels in	TOTAL T4 (µg/dL)	TSH3G (µIU/mL)	TOTAL T3 (ng/dL)
Pregnancy			
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260

Below mentioned are the guidelines for age related reference ranges for T3 and T4.

	T3 (ng/dL)	T4 (µg/dL)
New Born:	75 - 260	1-3 day: 8.2 - 19.9
		1 Week: 6.0 - 15.9

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group.

Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

Reference:

- Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.
- Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
- Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

End Of Report

Please visit www.srlworld.com for related Test Information for this accessionDr. Rashmi Patidar, MD
Pathologist

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