

Client  
Gurugram  
Pathkind Diagnostics Pvt. Ltd.  
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By  
Pathkind Diagnostics Pvt. Ltd.  
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

|                  |                  |                     |                       |
|------------------|------------------|---------------------|-----------------------|
| Name             | : Mr. CL63       | Billing Date        | : 07/07/2023 12:19:31 |
| Age              | : 35 Yrs         | Sample Collected on | : 10/07/2023 10:01:31 |
| Sex              | : Male           | Sample Received on  | : 10/07/2023 11:02:13 |
| P. ID No.        | : P1000100012678 | Report Released on  | : 15/07/2023 10:12:45 |
| Accession No     | : 10002304734    | Barcode No.         | : 10002304734-01      |
| Referring Doctor | : Self           | Ref no.             | :                     |
| Referred By      | :                |                     |                       |

Report Status - Final

| Test Name | Result | Biological Ref. Interval | Unit |
|-----------|--------|--------------------------|------|
|-----------|--------|--------------------------|------|

BIOCHEMISTRY

**FT4 & TSH 3rd Gen**

**FT4 (Free Thyroxine 4)**

Sample: Serum  
Method: ECLIA

2.50 H

1.00 - 1.70

ng/dL

**TSH 3rd Generation**

Sample: Serum  
Method: ECLIA

4.100

0.270 - 4.200

μIU/mL

**TSH 3rd Generation**

Clinical Significance :

TSH levels are elevated in primary hypothyroidism and low in primary hyperthyroidism. Evaluation of TSH is useful in the differential diagnosis of primary from secondary and tertiary hypothyroidism. In primary hypothyroidism, TSH levels are elevated, while secondary and tertiary hypothyroidism, TSH levels are low or normal. High TSH level in the presence of normal FT4 is subclinical hypothyroidism and low TSH with normal FT4 is called subclinical hyperthyroidism. Sick, hospitalized patients may have falsely low or transiently elevated TSH. Significant diurnal variation is also seen in TSH levels.

Guidelines for TSH levels in pregnancy, as per American Thyroid Association, are as follows:

| PREGNANCY TRIMESTER | BIOLOGICAL REFERENCE INTERVAL | UNIT   |
|---------------------|-------------------------------|--------|
| FIRST TRIMESTER     | 0.100 - 2.500                 | μIU/mL |
| SECOND TRIMESTER    | 0.200 - 3.000                 | μIU/mL |
| THIRD TRIMESTER     | 0.300 - 3.000                 | μIU/mL |

\*\* End of Report\*\*



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Senior Consultant

10002304734 Mr. CL63

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