

**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

<b>Name</b> : Mr. PL146	<b>Billing Date</b> : 07/07/2023 12:28:40
<b>Age</b> : 35 Yrs	<b>Sample Collected on</b> : 10/07/2023 10:01:31
<b>Sex</b> : Male	<b>Sample Received on</b> : 10/07/2023 11:02:13
<b>P. ID No.</b> : P1000100012863	<b>Report Released on</b> : 15/07/2023 11:13:19
<b>Accession No</b> : 10002304919	<b>Barcode No.</b> : 10002304919-01
<b>Referring Doctor</b> : Self	
<b>Referred By</b> :	<b>Ref no.</b> :

### Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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### BIOCHEMISTRY

#### Hypothyroidism Panel

##### Thyroid Profile Free

<b>FT3 (Free Triiodothyronine 3)</b> <i>Sample: Serum</i> <i>Method: ECLIA</i>	4.30	2.70 - 4.30	pg/mL
<b>FT4 (Free Thyroxine 4)</b> <i>Sample: Serum</i> <i>Method: ECLIA</i>	2.30 H	1.00 - 1.70	ng/dL
<b>TSH 3rd Generation</b> <i>Sample: Serum</i> <i>Method: ECLIA</i>	4.200	0.270 - 4.200	µIU/mL
<b>Anti Thyroid Peroxidase Antibodies (TPO)</b> <i>Sample: Serum</i> <i>Method: CMIA</i>	55.61 H	<5.61	IU/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



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Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
THIRD TRIMESTER	0.300 - 3.000		μIU/mL

Anti Thyroid Peroxidase Antibodies (TPO)

COMMENTS / INTERPRETATION :

- Anti TPO antibodies are increased in active autoimmune thyroiditis, Graves' disease, atrophic thyroiditis, primary myxoedema, and post partum thyroiditis.
- Low levels of anti TPO antibodies can be detected in healthy individuals with normal thyroid function.

\*\* End of Report\*\*



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Senior Consultant

