



Patient Name	: Mr.ARUN KUMAR
Age/Gender	: 19 Y 0 M 0 D /M
UHID/MR No	: DSDU.0000003869
Visit ID	: DSDUOPV5472
Ref Doctor	: ANJANADRI DIAGNOSTICS KARATAGI
IP/OP NO	:

Collected	: 04/Sep/2024 07:40PM
Received	: 05/Sep/2024 11:46AM
Reported	: 05/Sep/2024 01:15PM
Status	: Final Report
Client Name	: PCC SINDHANUR
Center location	: Sindhanur,Sindhanur

### DEPARTMENT OF IMMUNOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
<b>THYROID PROFILE TOTAL (T3, T4, TSH) , SERUM</b>				
TRI-IODOTHYRONINE (T3, TOTAL)	1.33	ng/mL	0.64-1.52	CMIA
THYROXINE (T4, TOTAL)	6.85	µg/dL	4.87-11.72	CMIA
THYROID STIMULATING HORMONE (TSH)	0.950	µIU/mL	0.7-6.4	CMIA

**Comment:**

<b>For pregnant females</b>	<b>Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)</b>
First trimester	0.1 - 2.5
Second trimester	0.2 – 3.0
Third trimester	0.3 – 3.0

1. TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH activates production of T3 (Triiodothyronine) and its prohormone T4 (Thyroxine). Increased blood level of T3 and T4 inhibit production of TSH.
2. TSH is elevated in primary hypothyroidism and will be low in primary hyperthyroidism. Elevated or low TSH in the context of normal free thyroxine is often referred to as sub-clinical hypo- or hyperthyroidism respectively.
3. Both T4 & T3 provides limited clinical information as both are highly bound to proteins in circulation and reflects mostly inactive hormone. Only a very small fraction of circulating hormone is free and biologically active.
4. Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	T3	T4	FT4	Conditions
High	Low	Low	Low	Primary Hypothyroidism, Post Thyroidectomy, Chronic Autoimmune Thyroiditis
High	N	N	N	Subclinical Hypothyroidism, Autoimmune Thyroiditis, Insufficient Hormone Replacement Therapy.
N/Low	Low	Low	Low	Secondary and Tertiary Hypothyroidism
Low	High	High	High	Primary Hyperthyroidism, Goitre, Thyroiditis, Drug effects, Early Pregnancy
Low	N	N	N	Subclinical Hyperthyroidism
Low	Low	Low	Low	Central Hypothyroidism, Treatment with Hyperthyroidism
Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes
High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma

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Consultant Biochemistry

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M.B.B.S,M.D(Pathology)  
Consultant Pathologist

SIN No:IM08198870

This test has been performed at Apollo Health &amp; Lifestyle Ltd, RRL BANGALORE Laboratory





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**Apollo Health and Lifestyle Limited**

(CIN - U85110TG2000PLC115819)

Corporate Office: 7-1-617/A, 7<sup>th</sup> Floor, Imperial Towers, Ameerpet, Hyderabad-500016, Telangana

Ph No: 040-4904 7777 | [www.apollohl.com](http://www.apollohl.com) | Email ID:[enquiry@apollohl.com](mailto:enquiry@apollohl.com)



Patient Name	: Mr.ARUN KUMAR	Collected	: 04/Sep/2024 07:40PM
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IP/OP NO	:	Center location	: Sindhanur,Sindhanur

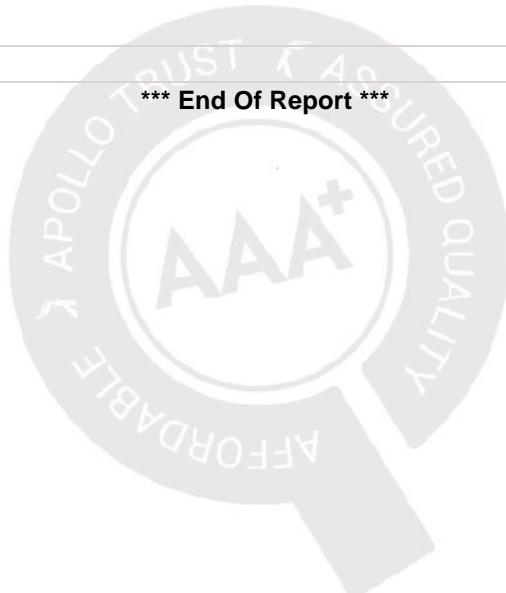
### DEPARTMENT OF IMMUNOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
CORTISOL (MORNING SAMPLE 8 AM), SERUM	7.42	µg/dL	6.7-22.6	CLIA

**Comment:**

- Increased levels seen in pregnancy, estrogen treatment, severe stress, pituitary tumors or ectopic ACTH-producing tumors, Cushing's disease and in other conditions of glucocorticoid excess.
- Decreased levels seen in Addison's disease, generalized adrenal hypofunction or a defect in the metabolic pathway for cortisol biosynthesis. Plasma cortisol levels are highest in the morning, and concentrations decrease towards evening.

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



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#### TERMS AND CONDITIONS GOVERNING THIS REPORT

The reported results are for information and interpretation of the referring doctor or such other medical professionals, who understand reporting units, reference ranges and limitations of technologies.

Laboratories not be responsible for any interpretation whatsoever.

It is presumed that the tests performed are, on the specimen / sample being to the patient named or identified and the verifications of the particulars have been cleared out by the patient or his / her representative at the point of generation of said specimen.

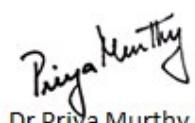
The reported results are restricted to the given specimen only. Results may vary from lab to lab and from time to time for the same parameter for the same patient.

Assays are performed in accordance with standard procedures, The reported results are dependent on individual assay methods / equipment used and quality of specimen received.

This report is not valid for medico legal purposes.



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