

## Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)

LABORATORY TEST REPORT

Name	: Mrs. JAYASREE		
Sample ID	: A1307669		
Age/Gender	: 54 Years/Female	Reg. No	: 0312411170007
Referred by	: Dr. K NEELAVENI	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 17-Nov-2024 11:43 AM
Primary Sample	: Whole Blood	Received On	: 17-Nov-2024 03:21 PM
Sample Tested In	: Serum	Reported On	: 17-Nov-2024 04:44 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

Test Name	Results	Units	Biological Refere	ence Interval
TSH -Thyroid Stimulating Hormone	4.75	µIU/mL	0.35-5.5	
Pregnancy & Cord Blood		1		
TSH (Thyroid Stimulating	g Hormone (μIU/mL)			
First Trimester : 0.24-2.99				
Second Trimester : 0.46-2.95				
Third Trimester : 0.43-2.78				
Cord Blood : 2.3-13.2				

• The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low

• TRH stimulation differentiates secondary and tertiary hypothyroidism by observing the change in patient TSH levels. Typically, the TSH response to TRH stimulation is absent in cases of secondary hypothyroidism, and normal to exaggerated in tertiary hypothyroidism

• Historically, TRH stimulation has been used to confirm primary hyperthyroidism, indicated by elevated T3 and T4 levels and low or undetectable TSH levels. TSH assays with increased sensitivity and specificity provide a primary diagnostic tool to differentiate hyperthyroid from euthyroid patients.

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







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