

# 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. HEMA MALINI

Sample ID : A0787743

Age/Gender : 43 Years/Female Reg. No : 0312410160015 Referred by : Dr. G S AJAY KUMAR SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 16-Oct-2024 01:43 PM Primary Sample : Whole Blood Received On : 16-Oct-2024 04:45 PM

Sample Tested In : Whole Blood EDTA Reported On : 16-Oct-2024 04:55 PM

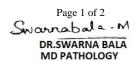
Client Address : Kimtee colony ,Gokul Nagar,Tarnaka Report Status : Final Report

HAEMATOLOGY						
Test Name	Results	Units	Biological Reference Interval			
Complete Blood Biotomo(CBB)						
Complete Blood Picture(CBP)	40.0	/ -!!	40.45			
Haemoglobin (Hb) (Method: Cynmeth Method)	12.8	g/dL	12-15			
Haematocrit (HCT) (Method: Calculated)	<u>37.6</u>	%	40-50			
RBC Count (Method: Cell Impedence)	4.31	10^12/L	3.8-4.8			
MCV (Method: Calculated)	87	fl	81-101			
MCH (Method: Calculated)	29.6	pg	27-32			
MCHC (Method: Calculated)	34.0	g/dL	32.5-34.5			
RDW-CV (Method: Calculated)	14.2	%	11.6-14.0			
Platelet Count (PLT)  Method: Cell Impedance )	282	10^9/L	150-410			
Total WBC Count (Method: Impedance)	7.8	10^9/L	4.0-10.0			
Differential Leucocyte Count (DC)						
Neutrophils (Method: Cell Impedence)	63	%	40-70 Care			
Lymphocytes (Method: Cell Impedence)	31	%	20-40			
Monocytes (Method: Microscopy)	04	%	2-10			
Eosinophils     (Methad: Microscopy)	02	%	1-6			
Basophils (Method: Microscopy)	00	%	1-2			
Absolute Neutrophils Count     Method: Impedence)	4.91	10^9/L	2.0-7.0			
Absolute Lymphocyte Count     (Method: Impedence)	2.42	10^9/L	1.0-3.0			
Absolute Monocyte Count     (Method: Calculated)	0.31	10^9/L	0.2-1.0			
(Method: Calculated)  (Method: Calculated)	0.16	10^9/L	0.02-0.5			
Absolute Basophil ICount     (Method: Calculated)	0.00	10^9/L	0.0-0.3			
Morphology (Method: PAPs Staining )	Normocytic n	ormochromic				









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





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### LABORATORY TEST REPORT

Name : Mrs. HEMA MALINI

Sample ID : A0787744

Age/Gender : 43 Years/Female Reg. No : 0312410160015

Referred by : Dr. G S AJAY KUMAR SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 16-Oct-2024 01:43 PM
Primary Sample : Whole Blood Received On : 16-Oct-2024 04:45 PM
Sample Tested In : Serum Reported On : 16-Oct-2024 05:25 PM

Client Address : Kimtee colony ,Gokul Nagar,Tarnaka Report Status : Final Report

CLINICAL BIOCHEMISTRY						
Test Name	Results	Units	Biological Reference Interval			
Thyroid Profile-I(TFT)						
T3 (Triiodothyronine)	95.69	ng/dL	70-204			
T4 (Thyroxine)	8.6	μg/dL	3.2-12.6			
TSH -Thyroid Stimulating Hormone  (Method: CLIA)	4.04	μIU/mL	0.35-5.5			

#### Pregnancy & Cord Blood

T3 (Triiodothyronine):		T4 (Thyroxine)	TSH (Thyroid Stimulating Hormone)
First Trimester : 8	1-190 ng/dL	15 to 40 weeks:9.1-14.0 μg/dL	First Trimester : 0.24-2.99 µIU/mL
Second&Third Trimester :10	0-260 ng/dL		Second Trimester: 0.46-2.95 µIU/mL
			Third Trimester : 0.43-2.78 µIU/mL
Cord Blood: 30-70 ng/dL		Cord Blood: 7.4-13.0 µg/dL	Cord Blood: : 2.3-13.2 µIU/mL

#### **Interpretation:**

- Thyroid gland is a butterfly-shaped endocrine gland that is normally located in the lower front of the neck. The thyroid's job is to make thyroid hormones, which are
  secreted into the blood and then carried to every tissue in the body. Thyroid hormones help the body use energy, stay warm and keep the brain, heart, muscles, and other
  organs working as they should.
- Thyroid produces two major hormones: triiodothyronine (T3) and thyroxine (T4). If thyroid gland doesn't produce enough of these hormones, you may experience symptoms such as weight gain, lack of energy, and depression. This condition is called hypothyroidism.
- Thyroid gland produces too many hormones, you may experience weight loss, high levels of anxiety, tremors, and a sense of being on a high. This is called hyperthyroidism.
- TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4.
- 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.

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







