SagePath
Excellence In Health Care

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	: Miss. SHIVANI		
Sample ID	: A0934503		
Age/Gender	: 16 Years/Female	Reg. No	: 0312409200062
Referred by	: Dr. V VEENA (M.B.B.S.,M.D.(Pulmonology))	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 20-Sep-2024 07:18 PM
Primary Sample	: Whole Blood	Received On	: 20-Sep-2024 11:54 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 21-Sep-2024 12:09 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

Test Name	Results	Units	Biological Reference Interval
Complete Blood Picture(CBP)			
Haemoglobin (Hb) *(Method: Cynmeth Method)*	**11.9**	g/dL	12-15
Haematocrit (HCT) *(Method: Calculated)*	40.4	%	40-50
RBC Count *(Method: Cell Impedence)*	3.80	10^12/L	3.8-4.8
MCV *(Method: Calculated)*	101	fl	81-101
MCH *(Method: Calculated)*	31.7	pg	27-32
MCHC *(Method: Calculated)*	33.5	g/dL	32.5-34.5
RDW-CV *(Method: Calculated)*	**14.1**	%	11.6-14.0
Platelet Count (PLT) *(Method: Cell Impedance)*	348	10^9/L	150-410
Total WBC Count *(Method: Impedance)*	8.3	10^9/L	4.0-10.0
Differential Leucocyte Count (DC)			
Neutrophils *(Method: Cell Impedence)*	70	%	40-70
Lymphocytes *(Method: Cell Impedence)*	25	%	20-40
Monocytes *(Method: Microscopy)*	03	%	2-10
Eosinophils *(Method: Microscopy)*	02	%	1-6
Basophils *(Method: Microscopy)*	00	%	0-2
Absolute Neutrophils Count *(Method: Impedence)*	5.81	10^9/L	2.0-7.0
Absolute Lymphocyte Count *(Method: Impedence)*	2.08	10^9/L	1.1-6.5
Absolute Monocyte Count *(Method: Calculated)*	0.25	10^9/L	0.2-1.0
Absolute Eosinophils Count *(Method: Calculated)*	0.17	10^9/L	0.02-0.5
Absolute Basophil lCount *(Method: Calculated)*	0.00	10^9/L	0.0-0.3
Morphology *(Method: PAPs Staining)*	Normocytic Normochromic		

*** End Of Report ***

Laboratory is NABL Accredited

MC 3633

Swarnabala.M
DR.SWARNA BALA
MD PATHOLOGY

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LABORATORY TEST REPORT

Name	: Miss. SHIVANI		
Sample ID	: A0934504		
Age/Gender	: 16 Years/Female	Reg. No	: 0312409200062
Referred by	: Dr. V VEENA (M.B.B.S.,M.D.(Pulmonology))	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 20-Sep-2024 07:18 PM
Primary Sample	: Whole Blood	Received On	: 21-Sep-2024 12:05 AM
Sample Tested In	: Serum	Reported On	: 21-Sep-2024 01:13 AM
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) *(Method: CLIA)*	128.66	ng/dL	80-210
T4 (Thyroxine) *(Method: CLIA)*	7.4	µg/dL	3.2-12.6
TSH -Thyroid Stimulating Hormone *(Method: CLIA)*	2.73	µIU/mL	0.35-5.5

Pregnancy & Cord Blood

T3 (Triiodothyronine):	T4 (Thyroxine)	TSH (Thyroid Stimulating Hormone)
First Trimester : 81-190 ng/dL	15 to 40 weeks:9.1-14.0 µg/dL	First Trimester : 0.24-2.99 µIU/mL
Second&Third Trimester :100-260 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.

Correlate Clinically.

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*** End Of Report ***

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DR.VAISHNAVI
MD BIOCHEMISTRY