

REPORT

Name	: Miss. SUSAN	Sample ID	: A0012645
Age/Gender	: 22 Years/Female	Reg. No	: 0312401040024
Referred by	: Dr. VENKAT KRISHNA KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Jan-2024 02:08 PM
Primary Sample	: Whole Blood	Received On	: 04-Jan-2024 03:38 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 04-Jan-2024 03:50 PM
Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

HAEMATOLOGY

Test Name	Results	Units	Ref. Range	Method
Complete Blood Picture(CBP)				
Haemoglobin (Hb)	10.4	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	32.5	%	40-50	Calculated
RBC Count	4.30	10 ¹² /L	4.5-5.5	Cell Impedence
MCV	76	fl	81-101	Calculated
MCH	24.1	pg	27-32	Calculated
MCHC	32.0	g/dL	32.5-34.5	Calculated
RDW-CV	15.8	%	11.6-14.0	Calculated
Platelet Count (PLT)	340	10 ⁹ /L	150-410	Cell Impedence
Total WBC Count	7.8	10 ⁹ /L	4.0-10.0	Impedence
Differential Leucocyte Count (DC)				
Neutrophils	70	%	40-70	Cell Impedence
Lymphocytes	20	%	20-40	Cell Impedence
Monocytes	06	%	2-10	Microscopy
Eosinophils	04	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	5.46	10 ⁹ /L	2.0-7.0	Impedence
Absolute Lymphocyte Count	1.56	10 ⁹ /L	1.0-3.0	Impedence
Absolute Monocyte Count	0.47	10 ⁹ /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.31	10 ⁹ /L	0.02-0.5	Calculated
Absolute Basophil ICount	0.00	10 ⁹ /L	0.0-0.3	Calculated
Morphology	Anisocytosis with Microcytic hypochromic anemia			PAPs Staining

Result rechecked and verified for abnormal cases

*** End Of Report ***

Laboratory is NABL Accredited



Swarnabala - M
DR.SWARNA BALA
MD PATHOLOGY

REPORT

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Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Jan-2024 02:08 PM
Primary Sample	: Whole Blood	Received On	: 04-Jan-2024 03:38 PM
Sample Tested In	: Serum	Reported On	: 04-Jan-2024 04:56 PM
Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
25 - Hydroxy Vitamin D	10.15	ng/mL	<20.0-Deficiency 20.0-<30.0-Insufficiency 30.0-100.0-Sufficiency >100.0-Potential Intoxication	CLIA

Interpretation:

- Vitamin D helps your body absorb calcium and maintain strong bones throughout your entire life. Your body produces vitamin D when the sun's UV rays contact your skin. Other good sources of the vitamin include fish, eggs, and fortified dairy products. It's also available as a dietary supplement.
- Vitamin D must go through several processes in your body before your body can use it. The first transformation occurs in the liver. Here, your body converts vitamin D to a chemical known as 25-hydroxyvitamin D, also called calcidiol.
- The 25-hydroxy vitamin D test is the best way to monitor vitamin D levels. The amount of 25-hydroxyvitamin D in your blood is a good indication of how much vitamin D your body has. The test can determine if your vitamin D levels are too high or too low.
- The test is also known as the 25-OH vitamin D test and the calcidiol 25-hydroxycholecalciferol test. It can be an important indicator of osteoporosis (bone weakness) and rickets (bone malformation).

Those who are at high risk of having low levels of vitamin D include:

- people who don't get much exposure to the sun
- older adults
- people with obesity.
- dietary deficiency

Increased Levels:

- Vitamin D Intoxication

Method : CLIA

Result rechecked and verified for abnormal cases

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Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

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CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Thyroid Profile-I(TFT)				
T3 (Triiodothyronine)	105.26	ng/dL	70-204	CLIA
T4 (Thyroxine)	9.6	µg/dL	3.2-12.6	CLIA
TSH -Thyroid Stimulating Hormone	2.68	µIU/mL	0.35-5.5	CLIA

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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