

REPORT

Name	: Miss. BOOMIKA	Sample ID	: A0093622
Age/Gender	: 22 Years/Female	Reg. No	: 0312403040047
Referred by	: Dr. VARIJA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Mar-2024 08:17 PM
Primary Sample	: Whole Blood	Received On	: 04-Mar-2024 09:39 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 04-Mar-2024 11:40 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)	8.2	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	29.3	%	40-50	Calculated
RBC Count	5.27	10 ¹² /L	4.5-5.5	Cell Impedence
MCV	56	fl	81-101	Calculated
MCH	15.7	pg	27-32	Calculated
MCHC	28.1	g/dL	32.5-34.5	Calculated
RDW-CV	18.1	%	11.6-14.0	Calculated
Platelet Count (PLT)	309	10 ⁹ /L	150-410	Cell Impedence
Total WBC Count	9.7	10 ⁹ /L	4.0-10.0	Impedence
Differential Leucocyte Count (DC)				
Neutrophils	68	%	40-70	Cell Impedence
Lymphocytes	26	%	20-40	Cell Impedence
Monocytes	04	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	0	%	1-2	Microscopy
Absolute Neutrophils Count	6.6	10 ⁹ /L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.52	10 ⁹ /L	1.0-3.0	Impedence
Absolute Monocyte Count	0.39	10 ⁹ /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.19	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
Erythrocyte Sedimentation Rate (ESR)	23		10 or less	Westergren method



Swarnabala - M
DR.SWARNA BALA
MD PATHOLOGY

REPORT

Name	: Miss. BOOMIKA	Sample ID	: A0093624
Age/Gender	: 22 Years/Female	Reg. No	: 0312403040047
Referred by	: Dr. VARIJA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Mar-2024 08:17 PM
Primary Sample	: Whole Blood	Received On	: 04-Mar-2024 09:39 PM
Sample Tested In	: Serum	Reported On	: 04-Mar-2024 10:11 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
PRL(Prolactin)	11.69	ng/mL	Refer Table	CLIA

Interpretation:

Age	Reference Range: Male (ng/mL)	Reference Range: Female(ng/mL)
Puberty Tanner Stage		
1	< 10.0	3.6-12.0
2-3	< 6.1	2.6-18.0
4-5	2.8-11.0	3.2-20.0
Adult	2.1-17.7	Nonpregnant :2.8-29.2 Pregnant :9.7-208.5 Postmenopausal :1.8-20.3

- Prolactin is a 23kD sized hormone produced by the lactotroph cells of the pituitary gland, a grape-sized organ found at the base of the brain. Normally present in low amounts in men and non-pregnant women, prolactin's main role is to promote lactation (breast milk production).
- Breast milk production that is not related to childbirth (galactorrhea)
- Erection problems in men
- Irregular or no menstrual periods (amenorrhea)

Result rechecked and verified for abnormal cases

*** End Of Report ***

Laboratory is NABL Accredited



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)	107.88	ng/dL	70-204	CLIA
T4 (Thyroxine)	7.8	µg/dL	3.2-12.6	CLIA
TSH -Thyroid Stimulating Hormone	2.29	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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