SagePath®
Excellence In Health Care

Sagepath Labs Pvt. Ltd.
Registered Office:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.
ICMR Reg .No. SAPALAPVLHT (Covid -19)
Ph:- 040-40125441, Email:- info@sagepathlabs.com
Website:- www.sagepathlabs.com

REPORT

Name	: Mrs. MUBEENA	Sample ID	: 24854724
Age/Gender	: 29 Years/Female	Reg. No	: 0312310140029
Referred by	: Dr. A ARCHANA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 14-Oct-2023 12:39 PM
Primary Sample	: Whole Blood	Received On	: 14-Oct-2023 03:09 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 14-Oct-2023 04:19 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)	**11.6**	g/dL	13-17	Cynmeth Method
Haematocrit (HCT)	**35.6**	%	40-50	Calculated
RBC Count	4.53	10^12/L	4.5-5.5	Cell Impedence
MCV	**79**	fl	81-101	Calculated
MCH	**25.6**	pg	27-32	Calculated
MCHC	32.5	g/dL	32.5-34.5	Calculated
RDW-CV	13.8	%	11.6-14.0	Calculated
Platelet Count (PLT)	310	10^9/L	150-410	Cell Impedance
Total WBC Count	6.8	10^9/L	4.0-10.0	Impedance
Differential Leucocyte Count (DC)				
Neutrophils	59	%	40-70	Cell Impedence
Lymphocytes	37	%	20-40	Cell Impedence
Monocytes	02	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	0	%	1-2	Microscopy
Absolute Neutrophils Count	4.01	10^9/L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.52	10^9/L	1.0-3.0	Impedence
Absolute Monocyte Count	**0.14**	10^9/L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.14	10^9/L	0.02-0.5	Calculated
Absolute Basophil lCount	0.00	10^9/L	0.0-0.3	Calculated
Morphology	Normocytic normochromic blood picture			PAPs Staining

Result rechecked and verified for abnormal cases

*** End Of Report ***

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*TESTS CONDUCTED @ CENTRAL LAB, HYDERABAD

Swarnabala - M
DR.SWARNA BALA
MD PATHOLOGY

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Primary Sample	: Whole Blood	Received On	: 14-Oct-2023 03:09 PM
Sample Tested In	: Whole Blood EDTA, Serum	Reported On	: 14-Oct-2023 05:02 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glycated Hemoglobin (HbA1c)	6.0	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
Mean Plasma Glucose	125.5	mg/dL		Calculated

Interpretation:

- Glycated hemoglobins (GHb), also called glycohemoglobins, are substances formed when glucose binds to hemoglobin, and occur in amounts proportional to the concentration of serum glucose. Since red blood cells survive an average of 120 days, the measurement of GHb provides an index of a person's average blood glucose concentration (glycemia) during the preceding 2-3 months. Normally, only 4% to 6% of hemoglobin is bound to glucose, while elevated glycohemoglobin levels are seen in diabetes and other hyperglycemic states
- Mean Plasma Glucose(MPG):This Is Mathematical Calculations Where Glycated Hb Can Be Correlated With Daily Mean Plasma Glucose Level

Test Name	Results	Units	Ref. Range	Method
PRL(Prolactin)	6.61	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)

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MD BIOCHEMISTRY

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Primary Sample	: Whole Blood	Received On	: 14-Oct-2023 03:09 PM
Sample Tested In	: Serum	Reported On	: 14-Oct-2023 04:54 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Thyroid Profile-I(TFT)				
T3 (Triiodothyronine)	114.36	ng/dL	70-204	CLIA
T4 (Thyroxine)	9.5	µg/dL	3.2-12.6	CLIA
TSH -Thyroid Stimulating Hormone	3.85	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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