

REPORT

Name	: Mr. MIR FAROOQ ALI	Sample ID	: A0012767
Age/Gender	: 78 Years/Male	Reg. No	: 0312401140021
Referred by	: Dr. YOUSUF ZAIN	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 14-Jan-2024 01:03 PM
Primary Sample	: Whole Blood	Received On	: 14-Jan-2024 02:32 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 14-Jan-2024 02:53 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)	13.0	g/dL	13-17	Cynmeth Method
Haematocrit (HCT)	40.6	%	40-50	Calculated
RBC Count	5.25	10 ¹² /L	4.5-5.5	Cell Impedence
MCV	77	fl	81-101	Calculated
MCH	24.8	pg	27-32	Calculated
MCHC	32.1	g/dL	32.5-34.5	Calculated
RDW-CV	16.9	%	11.6-14.0	Calculated
Platelet Count (PLT)	160	10 ⁹ /L	150-410	Cell Impedence
Total WBC Count	8.4	10 ⁹ /L	4.0-10.0	Impedence
Differential Leucocyte Count (DC)				
Neutrophils	65	%	40-70	Cell Impedence
Lymphocytes	27	%	20-40	Cell Impedence
Monocytes	06	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	5.46	10 ⁹ /L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.27	10 ⁹ /L	1.0-3.0	Impedence
Absolute Monocyte Count	0.5	10 ⁹ /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.17	10 ⁹ /L	0.02-0.5	Calculated
Absolute Basophil ICount	0.00	10 ⁹ /L	0.0-0.3	Calculated
Morphology	Anisocytosis with Normocytic normochromic			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	: 14-Jan-2024 01:03 PM
Primary Sample	: Whole Blood	Received On	: 14-Jan-2024 02:32 PM
Sample Tested In	: Serum	Reported On	: 14-Jan-2024 03:57 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Lipid Profile				
Cholesterol Total	129	mg/dL	< 200	CHOD-POD
Triglycerides-TGL	105	mg/dL	< 150	GPO-POD
Cholesterol-HDL	45	mg/dL	40-60	Direct
Cholesterol-LDL	63	mg/dL	< 100	Calculated
Cholesterol- VLDL	21	mg/dL	7-35	Calculated
Non HDL Cholesterol	84	mg/dL	< 130	Calculated
Cholesterol Total /HDL Ratio	2.87	%	0-4.0	Calculated
HDL / LDL Ratio	0.71			
LDL/HDL Ratio	1.4	%	0-3.5	Calculated

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid disorders for primary and secondary.

NCEP Recommendations	Cholesterol Total in (mg/dL)	Triglycerides in (mg/dL)	HDL Cholesterol (mg/dL)	LDL Cholesterol in (mg/dL)	Non HDL Cholesterol in (mg/dL)
Optimal	Adult: < 200 Children: < 170	< 150	40-59	Adult:<100 Children: <110	<130
Above Optimal	-----	-----		100-129	130 - 159
Borderline High	Adult: 200-239 Children:171-199	150-199		Adult: 130-159 Children: 111-129	160 - 189
High	Adult:>or=240 Children:>or=200	200-499	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High	-----	>or=500		Adult: >or=190 -----	>=220

Note: LDL cholesterol cannot be calculated if triglyceride is >400 mg/dL (Friedewald's formula). Calculated values not provided for LDL and VLDL

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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)	175.36	ng/dL	40-181	CLIA
T4 (Thyroxine)	13.6	µg/dL	3.2-12.6	CLIA
TSH -Thyroid Stimulating Hormone	0.07	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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