

LABORATORY REPORT

Name	: AMNEH YOUSEF	File. No.	: AAL02-381070
DOB/Gender	: 01-01-1996 (28 Yrs 10 Month 23 Days/Female)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22242970189	Referral Clinic	: Citicare Medical Center LLC
Request Date	: 23-10-2024 14:35:25	Clinic File No	: 42694
Insurance	: NAS ADMINISTRATION SERVICES LTD		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	3.85	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	12.2	g/dl	12.0 - 15.0	Photometry-SLS
HCT	36.3	%	36.0 - 46.0	Hydrodynamic focusing (HF)
MCV	94.3	fl	83.0 - 101.0	Calculation
MCH	31.7	pg	27-32	Calculation
MCHC	33.6	g/dL	31.5 - 34.5	Calculation
Platelet Count	363	10 ³ /uL	150-400	HF (DCD)
WBC	7.16	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	44.7	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	43.0 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	9.8	%	2-10	Flow Cytometry
Eosinophils	1.7	%	1 - 6	Flow Cytometry
Basophils	0.8	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	3.20	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.08 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.70	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.12	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.06	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 22-10-2024 23:20:00
Authenticated On : 23-10-2024 16:19:54

Received On : 23-10-2024 14:39:00
Released On : 23-10-2024 16:25:19

Pring

Padmapriya Kumareshan
Sr. Technician
DHA-P-2992011

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Test Name	Result	Units	Ref. Range	Method
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Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Iron	43.20	µg/dL	33 - 193	Colorimetric-FerroZine

Serum iron levels can show a diurnal variation. Iron (non-heme) measurements are used in the diagnosis and treatment of diseases such as iron deficiency anemia, hemochromatosis and chronic renal disease. Please note Reference Range Reviewed w.ef 15/10/23 .

Total Iron Binding Capacity (TIBC)	246.20^L	ug/dL	250.0 - 460.0	Ferrozine-Calculation
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In iron deficiency anemia the TIBC is elevated and the transferrin saturation is lowered to 15 % or less. Low serum iron associated with low TIBC is characteristic of the anemia of chronic disorders, malignant tumors, and infections. Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (Thyroid Stimulating Hormone)	9.1100^H	μIU/mL	0.27-4.20 Pregnancy: 1st Trimester: 0.33 - 4.59 2nd Trimester: 0.35 - 4.10 3rd Trimester: 0.21 - 3.15	ECLIA

Conversion Formula: (Concentration in IU/ mL) x (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23 .

Total T3 (Tri-iodothyronine-Total)	0.99	ng/mL	0.8 - 2.0 Pregnancy: 1st Trimester: 1.04 - 2.29 2nd Trimester: 1.28 - 2.62 3rd Trimester: 1.35 - 2.61	ECLIA
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Conversion Formula: (Concentration in ng/mL) x (1.536) = nmol/L. The determination of T3 is utilized in the diagnosis of T3 hyperthyroidism, the detection of early stages of hyperthyroidism and for indicating a diagnosis of thyrotoxicosis factitia. Please note Reference Range Reviewed w.ef 15/10/23 .

Total T4 (Thyroxine-Total)	8.02	μg/dL	4.5 - 12.1 Pregnancy: 1st Trimester: 7.33 - 14.83 2nd Trimester: 7.92 - 16.15 3rd Trimester: 6.95 - 15.69	ECLIA
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Conversion Formula: (Concentration in g/dL) x (12.87) = nmol/L.

The determination of T4 is useful for the detection of hyperthyroidism, the detection of primary and secondary hypothyroidism, and the monitoring of TSH-suppression therapy. Please note Reference Range Reviewed w.ef 15/10/23 .

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Sample Type : Serum

----- End Of Report -----

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