

LABORATORY REPORT

Name	: REEM MHD BASSAM	File. No.	: AAL02-417299
DOB/Gender	: 05-09-1983 (41 Yrs 1 Month 1 Days/Female)	Referral Doctor	: Dr. Mohammed M Hamed Hashish
Lab No.	: 22242740302	Referral Clinic	: Citicare Medical Center LLC
Request Date	: 30-09-2024 19:05:08	Clinic File No	: 44283
Insurance	: NAS ADMINISTRATION SERVICES LTD		

CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Ferritin	64.60	ng/mL	13-150	ECLIA

Ferritin provides a more sensitive, specific and reliable measurement for determining iron deficiency at an early stage. Ferritin measurements in combination with other parameters is useful in determining the rate and degree of body iron overload in such disorders as thalassemia, sideroblastic anemia and in determining the response of patients treated with iron chelators. In chronic inflammatory disorders, infections, and in chronic renal failure, there is a disproportionate increase in serum ferritin levels in relation to iron stores. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. > 5 mg/day) until at least 8 hours following the last biotin administration Please note Reference Range Reviewed w.ef 14/12/23 .

Phosphorous	3.23	mg/dL	2.5-4.5	Molybdate UV
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Please note Reference Range Reviewed w.ef 15/10/23 .

Bilirubin - Direct	<0.19	mg/dL	0.00-0.5	DIAZO
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Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Serum

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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 : 28-09-2024 22:00:00
Authenticated On : 01-10-2024 00:21:05

Received On : 30-09-2024 19:07:00
Released On : 01-10-2024 00:28:46



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

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GENERAL HEALTH PANEL (RANDOM) HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	3.90	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	11.3 ^L	g/dl	12.0 - 15.0	Photometry-SLS
HCT	34.3 ^L	%	36.0 - 46.0	Hydrodynamic focusing (HF)
MCV	87.9	fl	83.0 - 101.0	Calculation
MCH	29.0	pg	27-32	Calculation
MCHC	32.9	g/dL	31.5 - 34.5	Calculation
Platelet Count	299	10 ³ /uL	150-400	HF (DCD)
WBC	7.62	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	55.2	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	30.3	%	20.0 - 40.0	Flow Cytometry
Monocytes	12.5 ^H	%	2-10	Flow Cytometry
Eosinophils	0.8 ^L	%	1 - 6	Flow Cytometry
Basophils	1.2	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.21	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	2.31	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.95	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.06	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.09	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

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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
Bilirubin - Total	<0.21	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Alkaline Phosphatase	43.20	U/L	35-104	Colorimetric -P-NPT
Please note Reference Range Reviewed w.ef 15/10/23				
Alanine Aminotransferase (ALT / GPT)	11.70	U/L	10.0 - 35.0	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Aspartate Aminotransferase(AST / GOT)	20.40	U/L	10 - 35	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Calcium	9.40	mg/dL	8.6 - 10.3	NM-BAPTA
Please note Reference Range Reviewed w.ef 15/10/23				
*Total CO2 (Bicarbonate)	23.80	mmol/L	22.0 - 29.0	PEP Carboxylase
Please note Reference Range Reviewed w.ef 15/10/23				
Chloride (serum)	105.60	mmol/L	98 - 107	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Creatinine (serum)	0.61	mg/dL	0.50-0.90	Jaffe-Alkaline Picrate
Please note Reference Range Reviewed w.ef 15/10/23				
Sodium	135.50 ^L	mmol/L	136 - 145	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Urea	19.90	mg/dL	12.86 - 42.64	Urease/GLDH
Please note Reference Range Reviewed w.ef 15/10/23				
<i>Sample Type : Serum</i>				
Glucose(RBS)	87.70	mg/dL	Fasting: 70 - 100 1 hr post eating: 70 - 187 2 hrs post eating: 70 - 134	HK/G-6-PDH

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Test Name	Result	Units	Ref. Range	Method
Please note Reference Range Reviewed w.ef 15/10/23 Sample Type : Fluoride Plasma				
Protein - Total	6.63	g/dL	6.40 - 8.30	Colorimetric - Biuret
Please note Reference Range Reviewed w.ef 15/10/23.				
Albumin	4.24	g/dL	3.97 - 4.94	Colorimetric - BCG
Please note Reference Range Reviewed w.ef 15/10/23				
*Globulin (serum)	2.39 ^L	g/dL	2.50 - 3.50	Calculation
*Albumin/Globulin Ratio	1.77	Ratio	1.10 - 2.50	Calculation

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (Thyroid Stimulating Hormone)	3.8100	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 .

Sample Type : Serum

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

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