

LABORATORY REPORT

Name	: MOHAMMED ABUL	File. No.	: AAL02-300389
DOB/Gender	: 17-05-1965 (57 Yrs 10 Month 30 Days/Male)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22231050434	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 15-04-2023 22:17	Clinic File No	: 36862
Insurance	: NEXTCARE		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.96	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	14.8	g/dl	13.0 - 17.0	Photometry-SLS
HCT	42.3	%	40.0 - 50.0	Hydrodynamic focusing
MCV	85.3	fl	83.0 - 101.0	Calculation
MCH	29.8	pg	27-32	Calculation
MCHC	35.0 ^H	g/dL	31.5 - 34.5	Calculation
Platelet Count	227	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	8.16	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	70.1	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	18.9 ^L	%	20.0 - 40.0	Flow Cytometry
Monocytes	6.9	%	2.0-10.0	Flow Cytometry
Eosinophils	3.2	%	1 - 6	Flow Cytometry
Basophils	0.9	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	5.73	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	1.54	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.56	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.26	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.07	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.

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Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

H/L Collected On : 15-04-2023 20:00:00
Authenticated On : 15-04-2023 23:40:12
Printed On : 16-04-2023 00:21:22

Received On : 15-04-2023 22:31:00
Released On : 15-04-2023 23:49:56
Reprinted On : 16-04-2023 10:47:30



Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/ 241430

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

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MICROBIOLOGY/BACTERIOLOGY/BODY FLUIDS

Test Name	Result	Units	Ref. Range	Method
<u>URINE ROUTINE (URINALYSIS)</u>				
<u>PHYSICAL EXAMINATION</u>				
Color	Light Yellow		Yellow	Light Scatter
Appearance	Clear		Clear	Light Scatter
Specific Gravity	1.014		1.005 - 1.030	Refractrometry
PH	6.00		4.6 - 8.0	pH.I/Reflectance
Glucose	Negative		Negative	Enz.Rn/Reflect
Ketone	Negative		Negative	Legal's method
Protein	Negative		Negative	Dye Binding
Blood	Negative		Negative	Peroxidase Activity/Reflectance
Bilirubin	Negative		Negative	Acidified Diazo Coupling
Urobilinogen	Normal	mg/dL	Normal 0.2 - 1.0	Buffered Diazo Coupling
Nitrite	Negative		Negative	Mod. Gries Rn
Leukocytes.	Negative		Negative	Enz.Rn/Reflect
<u>MICROSCOPIC EXAMINATION</u>				
Pus Cells	1 - 2	/HPF	1 - 4	F.D.I/Microscopy
RBC's	0 - 1	/HPF	0 - 2	F.D.I/Microscopy
Epithelial cells	0 - 1	/HPF	1 - 4	F.D.I/Microscopy
Bacteria	Absent	/HPF	Absent	F.D.I/Microscopy
Yeast cells	Absent	/HPF	Absent	F.D.I/Microscopy
Trichomonas Vaginalis	Absent	/HPF	Absent	F.D.I/Microscopy
Mucus Threads	Absent	/HPF	Absent	F.D.I/Microscopy
Crystals	Absent	/HPF	Absent	F.D.I/Microscopy
Casts	Absent	/LPF	Absent	F.D.I/Microscopy

Bilirubin and Urobilinogen when exposed to sunlight leads to artificially low results, hence recommended to collect urine in dark container for analyzing Urine

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Test Name	Result	Units	Ref. Range	Method
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Bilirubin and Urobilinogen if clinically indicated.

Kindly note the new methodology is effective from 31-10-2022.

Sample Type : Mid-stream Urine

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**KIDNEY/RENAL FUNCTION TEST (RANDOM)
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Glucose(RBS)	70.4	mg/dL	Fasting: 70 - 100 1 hr post eating: 70 - 187 2 hrs post eating: 70 - 134	Hexokinase/G-6-PDH

Remarks:

Glucose test done in serum sample as per client request, recommended to repeat with fluoride sample for the confirmation.

Sample Type : Fluoride Plasma

Albumin (serum)	4.08	g/dL	3.50 - 5.00	Bromocresol Purple
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Kindly note new reference range for Albumin reference range updated as on 18th December 2021.

Calcium (serum)	8.7	mg/dL	8.4 - 10.2	Arsenazo III
Chloride (serum)	107.0	mmol/L	98.0 - 107.0	ISE
Creatinine (serum)	1.11	mg/dL	0.6 - 1.3	Alkaline Picrate

Kindly note that the reference range is effective from 17-01-2023.

Phosphorus (serum)	2.9	mg/dL	2.3 - 4.7	Phosphomolybdate
Potassium (serum)	4.0	mmol/L	3.8 - 5.5	ISE
Sodium (serum)	140.0	mmol/L	135.0 - 145.0	ISE
*Total CO2 (Bicarbonate)	24.3	mmol/L	22.0 - 29.0	Photometry
Urea (serum)	24.82	mg/dL	12.84 - 42.80	Urease

Kindly note new reference range for Urea effective from 31/1/2022

Sample Type : Serum

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	161.3	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	97.0	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	42.5	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	99.9	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	18.9	mg/dL	5.0 - 30.0	Calculation

Sample Type : Serum

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

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