

LABORATORY REPORT

Name	: MUNEER MUNNADATH PARAMBA	File. No.	: AAL02-357925
DOB/Gender	: 24-01-1974 (49 Yrs 9 Month 17 Days/Male)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22233140085	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 10-11-2023 13:14	Clinic File No	: 27702
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.69 ^H	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	15.7	g/dl	13.0 - 17.0	Photometry-SLS
HCT	46.6	%	40.0 - 50.0	Hydrodynamic focusing
MCV	81.9 ^L	fl	83.0 - 101.0	Calculation
MCH	27.6	pg	27-32	Calculation
MCHC	33.7	g/dL	31.5 - 34.5	Calculation
Platelet Count	241	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	8.87	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	54.2	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	34.9	%	20.0 - 40.0	Flow Cytometry
Monocytes	8.5	%	2.0-10.0	Flow Cytometry
Eosinophils	1.6	%	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)	4.81	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.10 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.75	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.14	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 : 10-11-2023 12:00:00
Authenticated On : 10-11-2023 15:40:51
Printed On : 10-11-2023 20:50:39

Received On : 10-11-2023 13:15:00
Released On : 10-11-2023 15:57:56



Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

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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
HbA1c (Glycosylated Hb)	6.27^H	%	Normal: ≤ 5.6 High risk/prediabetes: 5.7-6.4* Diabetes: ≥ 6.5	TINIA(turbidimetric inhibition immunoassay)

In the absence of unequivocal hyperglycemia, result should be confirmed by repeat testing. Diabetic patients with HbA1c less than 7% meets the therapeutic goals of the American Diabetes Association (ADA 2010). Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : EDTA WB

Glucose(RBS)	178.85	mg/dL	Fasting: 70 - 100 1 hr post eating: 70 - 187 2 hrs post eating: 70 - 134	Hexokinase/G-6-PDH
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Remarks:

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Sample Type : Fluoride Plasma

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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	1.012		1.005 - 1.030	Refractrometry
PH	5.50		4.6 - 8.0	Litmus reaction
Glucose	Negative		Negative	Enz.Rn/Reflect
Ketone	Negative		Negative	Legal's method
Protein	+		Negative	Dye Binding
Blood	+		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	Few	/HPF	Absent	F.D.I/Microscopy
Calcium Oxalate Crystals	Rare	/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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Bilirubin and Urobilinogen if clinically indicated.

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

Remarks:

Presence of Blood in absence of RBCs can be seen in conditions where there is hemolysis of RBCs .Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Urine

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	223.3^H	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
*Triglycerides (serum)	128.0	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
Please note Reference Range Reviewed w.ef 15/10/23				
**HDL Cholesterol	43.50	mg/dL	Major Risk: < 40	Homogeneous enzymatic-CHER & CHOD
Please note Reference Range Reviewed w.ef 15/10/23				
LDL Cholesterol	166.1^H	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	13.7	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	5.1^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

Remarks:

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

Sample Type : Serum

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

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