

LABORATORY REPORT

Name	: MESERET TESFAYE DOBOCH	File. No.	: AAL02-333555
DOB/Gender	: 11-09-1992 (30 Yrs 10 Month 25 Days/Female)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22232170110	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 05-08-2023 13:22	Clinic File No	: 39289
Insurance	: NAS ADMINISTRATION SERVICES LTD		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.14	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	7.5 ^L	g/dl	12.0 - 15.0	Photometry-SLS
HCT	26.4 ^L	%	36.0 - 46.0	Hydrodynamic focusing
MCV	63.8 ^L	fl	83.0 - 101.0	Calculation
MCH	18.1 ^L	pg	27-32	Calculation
MCHC	28.4 ^L	g/dL	31.5 - 34.5	Calculation
Platelet Count	343	10 ³ /uL	150-400	Hydrodynamic Focusing(DCD)
WBC	3.47 ^L	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	42.7	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	43.2 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	10.7 ^H	%	2-10	Flow Cytometry
Eosinophils	1.7	%	1 - 6	Flow Cytometry
Basophils	1.7	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	1.48 ^L	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	1.50	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.37	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.06	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:

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

H/L Collected On : 05-08-2023 11:00:00
Authenticated On : 05-08-2023 16:08:35
Printed On : 05-08-2023 16:55:42

Received On : 05-08-2023 13:25:00
Released On : 05-08-2023 16:15:29

Wasik

Wasik Hasan Tisekar
Laboratory Technician
DHA-P-0039673

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Recommended to do peripheral smear, iron studies and thalassemia screening.
Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

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	Straw		Yellow	Light Scatter
Appearance	Slightly-Cloudy		Clear	Light Scatter
Specific Gravity	1.004 ^L		1.005 - 1.030	Refractrometry
PH	5.00		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	Trace		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	Enz.Rn/Reflect
<u>MICROSCOPIC EXAMINATION</u>				
Pus Cells	10 - 15	/HPF	1 - 4	F.D.I/Microscopy
RBC's	4 - 6	/HPF	0 - 2	F.D.I/Microscopy
Epithelial cells	4 - 6	/HPF	1 - 4	F.D.I/Microscopy
Bacteria	Absent	/HPF	Absent	F.D.I/Microscopy
Yeast cells	+	/HPF	Absent	F.D.I/Microscopy
Trichomonas Vaginalis	Absent	/HPF	Absent	F.D.I/Microscopy
Mucus Threads	Few	/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.

Remarks:

Test results to be interpreted in light of clinical history .To be investigated further if clinically indicated.

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)	89.30	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)	4.26	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)	8.6	mg/dL	8.4 - 10.2	Arsenazo III
Chloride (serum)	107.0	mmol/L	98.0 - 107.0	ISE
Creatinine (serum)	0.62	mg/dL	0.5 - 1.0	Alkaline Picrate

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

Phosphorus (serum)	3.6	mg/dL	2.3 - 4.7	Phosphomolybdate
Potassium (serum)	3.8	mmol/L	3.8 - 5.5	ISE
Sodium (serum)	141.0	mmol/L	135.0 - 145.0	ISE
*Total CO2 (Bicarbonate)	21.6 ^L	mmol/L	22.0 - 29.0	Photometry
Urea (serum)	23.03	mg/dL	12.84 - 42.80	Urease

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

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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