

LABORATORY REPORT

Name	: RAJU GONBA	File. No.	: AAL02-332419
DOB/Gender	: 03-05-1993 (30 Yrs 2 Month 29 Days/Male)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22232120372	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 31-07-2023 20:57	Clinic File No	: 26218
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.64	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	12.4 ^L	g/dl	13.0 - 17.0	Photometry-SLS
HCT	38.6 ^L	%	40.0 - 50.0	Hydrodynamic focusing
MCV	83.2	fl	83.0 - 101.0	Calculation
MCH	26.7 ^L	pg	27-32	Calculation
MCHC	32.1	g/dL	31.5 - 34.5	Calculation
Platelet Count	222	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	9.95	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	81.2 ^H	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	14.2 ^L	%	20.0 - 40.0	Flow Cytometry
Monocytes	4.2	%	2.0-10.0	Flow Cytometry
Eosinophils	0.1 ^L	%	1 - 6	Flow Cytometry
Basophils	0.3	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	8.08 ^H	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	1.41	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.42	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.01 ^L	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.03	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 : 31-07-2023 19:00:00
Authenticated On : 31-07-2023 21:45:39
Printed On : 31-07-2023 22:39:00

Received On : 31-07-2023 20:59:00
Released On : 31-07-2023 21:47:33
Reprinted On : 01-08-2023 11:38:54



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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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Microalbumin - Spot Urine	285.60	ug/mL		Immunoturbidimetric

Kindly note that no normal range is given for Microalbumin of Spot Urine Sample, and the normal range of 24 hrs collection is (<30 mg/day).

To evaluate the diagnostic performance of the micro-albumin measurements in urine sample, it is suggested to request one of the following:

- Microalbumin - 24 hrs

- Microalbumin/Creatinine Ratio - Spot Urine

Due to variability in urinary albumin excretion, atleast two of three results measured within 6 months should show elevated levels before a patient is designated as having microalbuminuria. Exercise within 24 hrs, infection, fever, congestive heart failure, marked hyperglycemia and marked hypertension may elevate urinary albumin excretion over baseline values.

Remarks:

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Sample Type : Random Urine

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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	Clear		Clear	Light Scatter
Specific Gravity	1.008		1.005 - 1.030	Refractrometry
PH	5.50		4.6 - 8.0	pH.I/Reflectance
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	6 - 8	/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
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 result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Mid-stream Urine

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KIDNEY FUNCTION TEST CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Urea (serum)	31.22	mg/dL	12.84 - 42.80	Urease
Kindly note new reference range for Urea effective from 31/1/2022				
Creatinine (serum)	0.60	mg/dL	0.6 - 1.2	Alkaline Picrate
Kindly note that the reference range is effective from 17-01-2023.				
Uric Acid (serum)	5.06	mg/dL	3.7 - 7.7	Uricase
Kindly note new reference range for Uric acid effective from 20/1/2022				
Calcium (serum)	9.1	mg/dL	8.4 - 10.2	Arsenazo III
Phosphorus (serum)	2.0 ^L	mg/dL	2.3 - 4.7	Phosphomolybdate
Protein- Total (serum)	5.60 ^L	g/dL	6.40 - 8.30	Biuret
Albumin (serum)	3.35 ^L	g/dL	3.50 - 5.00	Bromocresol Purple
Kindly note new reference range for Albumin reference range updated as on 18th December 2021.				
Globulin (serum)	2.25 ^L	g/dL	2.50 - 3.50	Calculation
Sodium (serum)	137.0	mmol/L	135.0 - 145.0	ISE
Potassium (serum)	rejected	mmol/L	3.8 - 5.5	ISE
Chloride (serum)	104.0	mmol/L	98.0 - 107.0	ISE

Remarks:

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Sample Type : Serum

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

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Authenticated On : 31-07-2023 23:13:43
Printed On : 31-07-2023 23:15:01

Received On : 31-07-2023 22:30:00
Released On : 31-07-2023 23:14:00
Reprinted On : 01-08-2023 11:38:54



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