

LABORATORY REPORT

Name	: NAKANWAGI PAULINE NDAULA	File. No.	: AAL02-346381
DOB/Gender	: 19-02-1991 (32 Yrs 7 Month 4 Days/Female)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22232650107	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 22-09-2023 12:49	Clinic File No	: 37041
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.45	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	13.3	g/dl	12.0 - 15.0	Photometry-SLS
HCT	39.9	%	36.0 - 46.0	Hydrodynamic focusing
MCV	89.7	fl	83.0 - 101.0	Calculation
MCH	29.9	pg	27-32	Calculation
MCHC	33.3	g/dL	31.5 - 34.5	Calculation
Platelet Count	196	10 ³ /uL	150-400	Hydrodynamic Focusing(DCD)
WBC	6.51	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	39.0 ^L	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	49.6 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	9.2	%	2-10	Flow Cytometry
Eosinophils	1.1	%	1 - 6	Flow Cytometry
Basophils	1.1	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	2.54	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.23 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.60	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.07	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 : 22-09-2023 11:00:00
Authenticated On : 22-09-2023 20:32:33
Printed On : 22-09-2023 21:39:49

Received On : 22-09-2023 12:52:00
Released On : 22-09-2023 20:34:05
Reprinted On : 23-09-2023 18:35:44



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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IMMUNOLOGY/SEROLOGY/INFECTIOUS DISEASES

Test Name	Result	Units	Ref. Range	Method
Hepatitis A virus (HAV) IgG	8.27 ^H	S/CO	Non-Reactive: < 1.00 Reactive: => 1.00	CMIA

HAV IgG Interpretation **Reactive**

The presence of IgG anti-HAV, with a nonreactive IgM anti-HAV test result, implies past infection with hepatitis A virus (HAV) or vaccination against HAV.

Remarks:

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HAV Ab-IgM (serum)	-----	Index	Non reactive: < 0.8 Grayzone Reactive: 0.8 - 1.2 Reactive: > 1.2	CMIA
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Interpretation :

* Non-Reactive : No serological indication for an acute or recent infection.

* Reactive : Acute or recent HAV infection.

* Grayzone : It is recommended that patients exhibiting equivocal zone, results be closely monitored at approximately one week intervals.

This monitoring will distinguish rising IgM anti-HAV levels associated with acute hepatitis A infection from decreasing or unchanging IgM anti-HAV levels often associated with recovery.

Kindly note that hepatitis A IgM level peaks within the first month of illness and persist throughout the first three to six months declining to a non detectable limit within 12 months.

* HAV IgM Index value is an instrument dependant value and should not be used for monitoring.

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Printed On : 23-09-2023 18:35:44

Received On : 22-09-2023 12:52:00
Released On : 23-09-2023 14:54:07

Pring

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

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Test Name	Result	Units	Ref. Range	Method
Test Name	Result	Units	Ref. Range	Method
**Hepatitis A Virus IgM	0.27	Cutoff Index (COI)	Non Reactive: <1.0 Reactive: >=1.0	ECLIA

Serologic testing for detection of immunoglobulin M (IgM) antibodies to HAV is required for differential diagnosis of acute hepatitis A. AntiHAV IgM antibodies can always be detected at the onset of the disease, and usually disappear within 36 months but can be detected in some patients for a longer period of time. Development of HAV IgM antibodies after vaccination is rare. HAV IgM Index value is an instrument dependant value and should not be used for monitoring. 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 15/06/2023
Sample Type : Serum

Test result obtained through technical collaboration with Medsol group of Laboratories.

Sample Type : Serum

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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	Yellow		Yellow	Light Scatter
Appearance	Cloudy		Clear	Light Scatter
Specific Gravity	1.024		1.005 - 1.030	Refractrometry
PH	5.00		4.6 - 8.0	Litmus reaction
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	6 - 10	/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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Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
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H/L Collected On : 22-09-2023 11:00:00
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Printed On : 22-09-2023 18:29:51

Received On : 22-09-2023 12:52:00
Released On : 22-09-2023 18:20:23
Reprinted On : 23-09-2023 18:35:44



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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 : Urine

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Request Date : **22-09-2023 12:49** Clinic File No : **37041**
Insurance : **No**

KIDNEY & LIVER FUNCTION TEST CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
AST / GOT - (serum)	23.7	U/L	5.0 - 34.0	NADH w/o P5P
ALT / GPT (serum)	17.9	U/L	<= 55	NADH w/o P5P
ALP (serum)	86.0	U/L	46 - 122	Para-nitrophenyl Phosphate

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

Gamma-GT (serum)	19.8	U/L	<38	L-G-glutamyl-3-carboxy-4-nitroanilide Substrat
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Kindly note new reference range for GGT effective from 17/6/2022

Bilirubin - Total (serum)	0.19 ^L	mg/dL	0.20 - 1.20	Diazo Reaction
Bilirubin - Direct (serum)	0.15	mg/dL	< 0.50	Diazo Reaction
*Bilirubin - Indirect	0.04 ^L	mg/dL	0.10 - 1.00	Calculation
Protein- Total (serum)	7.30	g/dL	6.40 - 8.30	calorimetric assay
Albumin (serum)	4.08	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)	3.22	g/dL	2.50 - 3.50	Calculation
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Remarks:

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

Creatinine (serum)	0.69	mg/dL	0.5 - 1.0	Alkaline Picrate
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Kindly note that the reference range is effective from 17-01-2023.

Urea (serum)	19.86	mg/dL	12.84 - 42.80	Urease
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Kindly note new reference range for Urea effective from 31/1/2022

Uric Acid (serum)	2.67	mg/dL	2.5 - 6.2	Uricase
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Kindly note new reference range for Uric acid effective from 20/1/2022

Calcium (serum)	9.6	mg/dL	8.4 - 10.2	Arsenazo III
Phosphorus (serum)	4.4	mg/dL	2.3 - 4.7	Phosphomolybdate

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Test Name	Result	Units	Ref. Range	Method
Sodium (serum)	137.0	mmol/L	135.0 - 145.0	ISE
Chloride (serum)	105.0	mmol/L	98.0 - 107.0	ISE

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DRUG SCREENING IN URINE CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Tricyclic Antidepressants (TCA)	Mediplus Report Given		Negative	Immunochromatographic

Please note that drug test results are for personal information only and carry no legal binding responsibility. This assay provides only a preliminary analytical test results. Gas chromatography /mass spectrometry (GC/MS) is the preferred confirmatory method for quantitative analysis. Clinical consideration and professional judgement should be applied to any drug of abuse test result ,particularly with preliminary positive results.

Sample Type : Random Urine

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

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