

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.00 ^H	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	13.6	g/dl	12.0 - 15.0	Photometry-SLS
HCT	40.3	%	36.0 - 46.0	Hydrodynamic focusing
MCV	80.6 ^L	fl	83.0 - 101.0	Calculation
MCH	27.2	pg	27-32	Calculation
MCHC	33.7	g/dL	31.5 - 34.5	Calculation
Platelet Count	279	10 ³ /uL	150-400	Hydrodynamic Focusing(DCD)
WBC	8.50	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	49.2	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	41.3 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	4.7	%	2-10	Flow Cytometry
Eosinophils	4.4	%	1 - 6	Flow Cytometry
Basophils	0.4	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.19	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.51 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.40	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.37	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.

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 : 04-12-2023 12:00:00
Authenticated On : 04-12-2023 22:11:37
Printed On : 05-12-2023 08:08:41

Received On : 04-12-2023 13:33:00
Released On : 04-12-2023 22:44:31



Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

Test Name	Result	Units	Ref. Range	Method
<u>ERYTHROCYTE SEDIMENTATION RATE (ESR)</u>				
ESR (whole blood)	14	mmhr	up to 15	Modified Westergren

Sample Type : EDTA WB

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 : 04-12-2023 12:00:00
Authenticated On : 04-12-2023 22:11:37
Printed On : 05-12-2023 08:08:41

Received On : 04-12-2023 13:33:00
Released On : 04-12-2023 22:44:31

Prings

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (Glycosylated Hb)	10.10^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 (Fasting)	235.00^H	mg/dL	70 - 100	HK/G-6-PDH
----------------------------	---------------------------	-------	----------	------------

Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Fluoride Plasma

**Alanine Aminotransferase (ALT / GPT)	20.40	U/L	10-35	NADH w/ P5P
---	-------	-----	-------	-------------

Please note Reference Range Reviewed w.ef 15/10/23

**Aspartate Aminotransferase(AST / GOT)	19.40	U/L	10 - 35	NADH w/ P5P
--	-------	-----	---------	-------------

Please note Reference Range Reviewed w.ef 15/10/23

**Calcium	9.63	mg/dL	8.6 - 10.3	NM-BAPTA
------------------	------	-------	------------	----------

Please note Reference Range Reviewed w.ef 15/10/23

CRP - quant (serum)	5.99^H	mg/L	< 5.0	Immunoturbidimetric
Creatinine (serum)	0.47^L	mg/dL	0.5 - 1.0	Alkaline Picrate

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

Ferritin (serum)	85.3	ng/mL	10.0 - 120.0	CMIA
*Potassium (serum)	4.8	mmol/L	3.8 - 5.5	ISE

Please note Reference Range Reviewed w.ef 15/10/2023.

Urea (serum)	18.94	mg/dL	12.84 - 42.80	Urease
---------------------	-------	-------	---------------	--------

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

**Uric Acid	5.65	mg/dL	2.40 - 5.70	Uricase
--------------------	------	-------	-------------	---------

Please note Reference Range Reviewed w.ef 15/10/23

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 : 04-12-2023 12:00:00
Authenticated On : 04-12-2023 22:11:37
Printed On : 05-12-2023 08:08:41

Received On : 04-12-2023 13:33:00
Released On : 04-12-2023 22:44:31

Pring

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

Test Name	Result	Units	Ref. Range	Method
Test result to be interpreted in the light of clinical history and to be investigated further if necessary.				
**Bilirubin - Total	0.31	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Bilirubin - Direct (serum)	0.13	mg/dL	< 0.50	Diazo Reaction
Sample Type : Serum				

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertain 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 : 04-12-2023 12:00:00
Authenticated On : 04-12-2023 22:11:37
Printed On : 05-12-2023 08:08:41

Received On : 04-12-2023 13:33:00
Released On : 04-12-2023 22:44:31

Pring

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
**TSH (Thyroid Stimulating Hormone)	2.6700	μIU/mL	0.27-4.20 Pregnancy: 1st Trimester: 0.33 - 4.59 2nd Trimester: 0.35 - 4.10 3rd Trimester: 0.21 - 3.15	ECLIA

Conversion Formula: (Concentration in IU/ mL) x (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : Serum

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 : 04-12-2023 12:00:00 Received On : 04-12-2023 13:33:00
Authenticated On : 04-12-2023 22:11:37 Released On : 04-12-2023 22:44:31
Printed On : 05-12-2023 08:08:41



Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

Name	: NARISA CUNANAN REYES	File. No.	: AAL02-362491
DOB/Gender	: 16-06-1992 (31 Yrs 5 Month 18 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233380097	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-12-2023 13:31	Clinic File No	: 41709
Insurance	: No		

**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
**Cholesterol	222.00	mg/dL	Desirable: < 200 Borderline: 200-239 High: >or =240	Enzymatic-Cholesterol esterase
Please note Reference Range Reviewed w.ef 15/10/23				
**Triglycerides	749.00^H	mg/dL	NCEP Adult Treatment Panel Normal: <150 Borderline: 150 - 199 High: 200-499 Very High: >or =500	Enzymatic GPO
Please note Reference Range Reviewed w.ef 15/10/23				
**HDL Cholesterol	38.10^L	mg/dL	< 40	Homogeneous enzymatic-CHER & CHOD
Please note Reference Range Reviewed w.ef 15/10/23				
**LDL Cholesterol	87.40	mg/dL	Optimal: < 100 Near or above optimal: 100-129 Borderline High: 130 - 159 High: 160 - 189 Very High: >or=190	Homo. Enz, Liq. Selective Surfactant
Please note Reference Range Reviewed w.ef 15/10/23				
**VLDL	96.50^H	mg/dL	5.0 - 30.0	Calculation
**Cholesterol / HDL	5.83^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: >6	Calculation

Remarks:

Due to high Triglycerides levels, a confirmation test is required with a fresh sample. It is advised to repeat the test after one week combined with abstaining from oily, fatty, dairy food as well as nuts. Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Serum

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

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertain 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 : 04-12-2023 12:00:00
Authenticated On : 04-12-2023 22:11:37
Printed On : 05-12-2023 08:08:41

Received On : 04-12-2023 13:33:00
Released On : 04-12-2023 22:44:31



Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822