

TEST REPORT

Reg. No. : 312100243	Reg. Date : 09-Dec-2023 09:47	Ref.No :	Approved On : 09-Dec-2023 10:08
Name : Mr. ANISH ABBAS MOMI			Collected On : 09-Dec-2023 09:52
Age : 28 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. : 9904580292
Location :			

Test Name	Results	Units	Bio. Ref. Interval
Complete Blood Count			
<u>Specimen: EDTA blood</u>			
Hemoglobin			
Hemoglobin(SLS method)	14.8	g/dL	13.0 - 17.0
Hematocrit (calculated)	41.1	%	40 - 50
RBC Count(Ele.Impedence)	L 4.33	X 10 ¹² /L	4.5 - 5.5
MCV (Calculated)	94.9	fL	83 - 101
MCH (Calculated)	H 34.2	pg	27 - 32
MCHC (Calculated)	H 36.0	g/dL	31.5 - 34.5
RDW (Calculated)	13.4	%	11.5 - 14.5
Differential WBC count (Impedance and flow)			
Total WBC count	8100	/μL	4000 - 10000
Neutrophils	56	%	38 - 70
Lymphocytes	33	%	21 - 49
Monocytes	07	%	3 - 11
Eosinophils	04	%	0 - 7
Basophils	00		
Platelet			
Platelet Count (Ele.Impedence)	379000	/cmm	150000 - 410000
MPV	9.10	fL	6.5 - 12.0
EDTA Whole Blood			

Note: All abnormal hemograms are reviewed and confirmed microscopically. Peripheral blood smear and malarial parasite examination are not part of CBC report.

Test done from collected sample.

This is an electronically authenticated report.



Approved by: Dr. Swati Shah

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TEST REPORT

Reg. No. : 312100243 Reg. Date : 09-Dec-2023 09:47 Ref.No : Approved On : 09-Dec-2023 12:56
Name : Mr. ANISH ABBAS MOMI Collected On : 09-Dec-2023 09:52
Age : 28 Years Gender: Male Pass. No. : Dispatch At :
Ref. By : APOLLO Tele No. : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
ESR	2	mm/hr	17-50 Yrs : <12, 51-60 Yrs : <19, 61-70 Yrs : <20, >70 Yrs : <30

Capillary Microphotometry

Sample Type: EDTA Whole Blood

Test done from collected sample.

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Approved by: Dr. Avinash B Panchal

MBBS,DCP
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TEST REPORT

Reg. No. : 312100243 Reg. Date : 09-Dec-2023 09:47 Ref.No : Approved On : 09-Dec-2023 10:52
Name : Mr. ANISH ABBAS MOMI Collected On : 09-Dec-2023 09:52
Age : 28 Years Gender: Male Pass. No. : Dispatch At :
Ref. By : APOLLO Tele No. : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
BLOODGROUP & RH			
<u>Specimen: EDTA and Serum; Method: Gel card system</u>			
Blood Group "ABO" <i>Agglutination</i>	"O"		
Blood Group "Rh" <i>Agglutination</i>	Positive		
EDTA Whole Blood			

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TEST REPORT

Reg. No.	: 312100243	Reg. Date	: 09-Dec-2023 09:47	Ref.No		Approved On	: 09-Dec-2023 10:19
Name	: Mr. ANISH ABBAS MOMI	Collected On	: 09-Dec-2023 09:52	Dispatch At	:	Tele No.	: 9904580292
Age	: 28 Years	Gender:	Male	Pass. No. :			
Ref. By	: APOLLO						
Location	:						

Test Name	Results	Units	Bio. Ref. Interval
PERIPHERAL BLOOD SMEAR EXAMINATION			
Specimen: Peripheral blood smear & EDTA blood, Method:Microscopy			
RBC Morphology	RBCs are normocytic normochromic.		
WBC Morphology	WBCs are normal in count,morphology & distribution.		
Differential Count	.		
Platelets	Platelets are adequate with normal morphology.		
Parasite	Malarial parasite is not detected.		
EDTA Whole Blood			

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TEST REPORT

Reg. No. : 312100243 **Reg. Date** : 09-Dec-2023 09:47 **Ref.No** : **Approved On** : 09-Dec-2023 12:36
Name : Mr. ANISH ABBAS MOMI **Collected On** : 09-Dec-2023 09:52
Age : 28 Years **Gender**: Male **Pass. No.** : **Dispatch At** :
Ref. By : APOLLO **Tele No.** : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
<u>FASTING PLASMA GLUCOSE</u>			
<u>Specimen: Fluoride plasma</u>			
Fasting Plasma Glucose <i>Hexokinase</i>	84.09	mg/dL	Normal: <=99.0 Prediabetes: 100-125 Diabetes :>=126

Flouride Plasma

Criteria for the diagnosis of diabetes:

- HbA1c >= 6.5 *
- Or
- Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.
Or
- Two hour plasma glucose >= 200mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water.
Or
- In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose >= 200 mg/dL. *In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34;S11.

Test done from collected sample.

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TEST REPORT

Reg. No. : 312100243 Reg. Date : 09-Dec-2023 09:47 Ref.No : Approved On : 09-Dec-2023 13:47
Name : Mr. ANISH ABBAS MOMI Collected On : 09-Dec-2023 11:39
Age : 28 Years Gender: Male Pass. No. : Dispatch At :
Ref. By : APOLLO Tele No. : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
POST PRANDIAL PLASMA GLUCOSE Specimen: Fluoride plasma			
Post Prandial Plasma Glucose <i>Hexokinase</i>	L 128.44	mg/dL	Normal: <=139 Prediabetes : 140-199 Diabetes: >=200
Flouride Plasma			

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TEST REPORT

Reg. No. : 312100243 **Reg. Date** : 09-Dec-2023 09:47 **Ref.No** : **Approved On** : 09-Dec-2023 12:27
Name : Mr. ANISH ABBAS MOMI **Collected On** : 09-Dec-2023 09:52
Age : 28 Years **Gender**: Male **Pass. No.** : **Dispatch At** :
Ref. By : APOLLO **Tele No.** : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
GGT	15.6	U/L	10 - 71
<i>L-Y-Glutamyl-3 Carboxy-4-Nitroanilide, Enzymetic Colorimetric</i>			
Serum			

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TEST REPORT

Reg. No. : 312100243	Reg. Date : 09-Dec-2023 09:47	Ref.No :	Approved On : 09-Dec-2023 11:44
Name : Mr. ANISH ABBAS MOMI			Collected On : 09-Dec-2023 09:52
Age : 28 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. : 9904580292
Location :			

Test Name	Results	Units	Bio. Ref. Interval
LIPID PROFILE			
CHOLESTEROL	144.00	mg/dL	Desirable <=200 Borderline high risk 200 - 240 High Risk >240
Triglyceride <i>Enzymatic Colorimetric Method</i>	55.00	mg/dL	<150 : Normal, 150-199 : Border Line High, 200-499 : High, >=500 : Very High
Very Low Density Lipoprotein(VLDL) <i>Calculated</i>	11	mg/dL	0 - 30
Low-Density Lipoprotein (LDL) <i>Calculated Method</i>	96.17	mg/dL	< 100 : Optimal, 100-129 : Near Optimal/above optimal, 130-159 : Borderline High, 160-189 : High, >=190 : Very High
High-Density Lipoprotein(HDL)	36.83	mg/dL	<40 >60
CHOL/HDL RATIO <i>Calculated</i>	H 3.91		0.0 - 3.5
LDL/HDL RATIO <i>Calculated</i>	2.61		1.0 - 3.4
TOTAL LIPID <i>Calculated</i>	L 358.00	mg/dL	400 - 1000
Serum			

As a routine test to determine if your cholesterol level is normal or falls into a borderline-, intermediate- or high-risk category.
 To monitor your cholesterol level if you had abnormal results on a previous test or if you have other risk factors for heart disease.
 To monitor your body's response to treatment, such as cholesterol medications or lifestyle changes.
 To help diagnose other medical conditions, such as liver disease.
 Note : biological reference intervals are according to the national cholesterol education program (NCEP) guidelines.

Test done from collected sample.

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TEST REPORT

Reg. No. : 312100243	Reg. Date : 09-Dec-2023 09:47	Ref.No :	Approved On : 09-Dec-2023 12:07
Name : Mr. ANISH ABBAS MOMI			Collected On : 09-Dec-2023 09:52
Age : 28 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. : 9904580292
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>LIVER FUNCTION TEST</u>			
TOTAL PROTEIN	6.84	g/dL	6.6 - 8.8
ALBUMIN	4.50	g/dL	3.5 - 5.2
GLOBULIN <small>Calculated</small>	L 2.34	g/dL	2.4 - 3.5
ALB/GLB <small>Calculated</small>	1.92		1.2 - 2.2
SGOT	21.70	U/L	<35
SGPT	25.80	U/L	<41
Alkaline Phosphatase <small>ENZYMATIC COLORIMETRIC IFCC, PNP, AMP BUFFER</small>	41.10	U/L	40 - 130
TOTAL BILIRUBIN	1.03	mg/dL	0.1 - 1.2
DIRECT BILIRUBIN	0.33	mg/dL	<0.2
INDIRECT BILIRUBIN <small>Calculated</small>	0.70	mg/dL	0.0 - 1.00
Serum			

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TEST REPORT

Reg. No. : 312100243 Reg. Date : 09-Dec-2023 09:47 Ref.No : Approved On : 09-Dec-2023 12:07
Name : Mr. ANISH ABBAS MOMI Collected On : 09-Dec-2023 09:52
Age : 28 Years Gender: Male Pass. No. : Dispatch At :
Ref. By : APOLLO Tele No. : 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
KIDNEY FUNCTION TEST			
Urea	18.9	mg/dL	17 - 43
Uric Acid (UA) <i>Uricase</i>	5.38	mg/dL	3.4 - 7.0
Creatinine	0.98	mg/dL	0.67 - 1.5
Serum			

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TEST REPORT

Reg. No. : 312100243 **Reg. Date :** 09-Dec-2023 09:47 **Ref.No :** **Approved On :** 09-Dec-2023 15:29
Name : Mr. ANISH ABBAS MOMI **Collected On :** 09-Dec-2023 09:52
Age : 28 Years **Gender:** Male **Pass. No. :** **Dispatch At :**
Ref. By : APOLLO **Tele No. :** 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
HEMOGLOBIN A1C (HBA1C) <i>High Performance Liquid Chromatography (HPLC)</i>	5.40	%	Normal: ≤ 5.6 Prediabetes: 5.7-6.4 Diabetes: ≥ 6.5 6-7 : Near Normal Glycemia, <7 : Goal , 7-8 : Good Control ,>8 : Action Suggested.
Mean Blood Glucose <i>(Calculated)</i>	108	mg/dL	

Sample Type: EDTA Whole Blood

Criteria for the diagnosis of diabetes

- HbA1c ≥ 6.5 * Or Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs. Or
- Two hour plasma glucose ≥ 200 mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water. Or
- In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose ≥ 200 mg/dL. *In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011:34:S11.

Limitation of HbA1c

- In patients with Hb variants even analytically correct results do not reflect the same level of glycemic control that would be expected in patients with normal population.
- Any cause of shortened erythrocyte survival or decreased mean erythrocyte survival or decreased mean erythrocyte age eg. hemolytic diseases, pregnancy, significant recent/chronic blood loss etc. will reduce exposure of RBC to glucose with consequent decrease in HbA1c values.
- Glycated HbF is not detected by this assay and hence specimens containing high HbF ($>10\%$) may result in lower HbA1c values than expected. Importance of HbA1C (Glycated Hb.) in Diabetes Mellitus

- HbA1C, also known as glycated hemoglobin, is the most important test for the assessment of long term blood glucose control(also called glycemic control).
 - HbA1C reflects mean glucose concentration over past 6-8 weeks and provides a much better indication of long term glycemic control than blood glucose determination.
 - HbA1c is formed by non-enzymatic reaction between glucose and Hb. This reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
 - Long term complications of diabetes such as retinopathy (Eye-complications), nephropathy (kidney-complications) and neuropathy (nerve complications), are potentially serious and can lead to blindness, kidney failure, etc.
 - Glycemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD) is considered most important. (Ref. National Glycohemoglobin Standardization Program - NGSP)
 Note : Biological reference intervals are according to American Diabetes Association (ADA) Guidelines.

Test done from collected sample.

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Generated On : 09-Dec-2023 15:28

Approved On: 09-Dec-2023 15:29

TEST REPORT

Reg. No. : 312100243	Reg. Date : 09-Dec-2023 09:47	Ref.No :	Approved On : 09-Dec-2023 15:29
Name : Mr. ANISH ABBAS MOMI			Collected On : 09-Dec-2023 09:52
Age : 28 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. : 9904580292
Location :			

Bio-Rad CDM System
Bio-Rad Variant V-II Instrument #1

PATIENT REPORT
V2TURBO_A1c_2.0

Patient Data

Sample ID: 131203500196
 Patient ID:
 Name:
 Physician:
 Sex:
 DOB:

Analysis Data

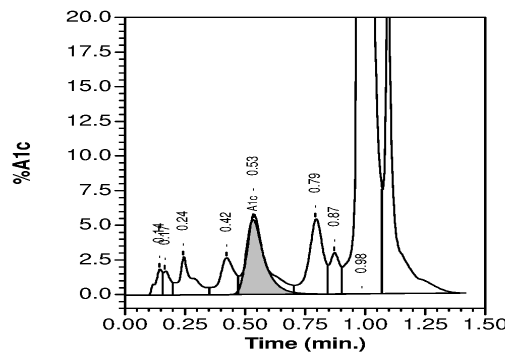
Analysis Performed: 09/12/2023 14:46:06
 Injection Number: 7150
 Run Number: 311
 Rack ID:
 Tube Number: 1
 Report Generated: 09/12/2023 14:51:28
 Operator ID:

Comments:

Peak Name	NGSP %	Area %	Retention Time (min)	Peak Area
A1a	---	0.5	0.142	8588
Unknown	---	0.5	0.166	7380
A1b	---	1.5	0.241	23356
LA1c	---	1.4	0.422	22397
A1c	5.4	---	0.534	63785
P3	---	3.2	0.793	49856
P4	---	1.2	0.870	18698
Ao	---	87.6	0.984	1367590

Total Area: 1,561,650

HbA1c (NGSP) = 5.4 %



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TEST REPORT

Reg. No. : 312100243 **Reg. Date :** 09-Dec-2023 09:47 **Ref.No :** **Approved On :** 09-Dec-2023 14:57
Name : Mr. ANISH ABBAS MOMI **Collected On :** 09-Dec-2023 09:52
Age : 28 Years **Gender:** Male **Pass. No. :** **Dispatch At :**
Ref. By : APOLLO **Tele No. :** 9904580292
Location :

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>CMIA</small>	1.35	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	10.30	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMIA</small>	1.275	µIU/mL	0.35 - 4.94

Sample Type: Serum

Comments:

Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

TSH levels During Pregnancy :

- First Trimester : 0.1 to 2.5 µIU/mL
- Second Trimester : 0.2 to 3.0 µIU/mL
- Third trimester : 0.3 to 3.0 µIU/mL

Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition. Philadelphia: WB Saunders, 2012:2170

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TEST REPORT

Reg. No. : 312100243	Reg. Date : 09-Dec-2023 09:47	Ref.No :	Approved On : 09-Dec-2023 11:26
Name : Mr. ANISH ABBAS MOMI			Collected On : 09-Dec-2023 09:52
Age : 28 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. : 9904580292
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>URINE ROUTINE EXAMINATION</u>			
<u>Physical Examination</u>			
Colour	Pale Yellow		
Clarity	Clear		
<u>CHEMICAL EXAMINATION (by strip test)</u>			
pH	5.0		4.6 - 8.0
Sp. Gravity	1.015		1.002 - 1.030
Protein	Nil		Absent
Glucose	Nil		Absent
Ketone	Nil		Absent
Bilirubin	Nil		Nil
Nitrite	Negative		Nil
Leucocytes	Nil		Nil
Blood	Absent		Absent
<u>MICROSCOPIC EXAMINATION</u>			
Leucocytes (Pus Cells)	Nil		0 - 5/hpf
Erythrocytes (RBC)	Nil		0 - 5/hpf
Casts	Nil	/hpf	Absent
Crystals	Nil		Absent
Epithelial Cells	Nil		Nil
Monilia	Nil		Nil
T. Vaginalis	Nil		Nil
Urine			

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

Test done from collected sample.

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