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DIAGNOSTICS Pvt. Ltd.

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E-mail : charak1984@gmail.com
CMO Reg. No. RMEE 2445133
NABL Reg. No. MC-2491
Certificate No. MIS-2023-0218

Patient Name	: Ms.MEHAR SINGH	Visit No	: CHA250042912
Age/Gender	: 32 Y/F	Registration ON	: 10/Mar/2025 11:47AM
Lab No	**: 10140207**	Sample Collected ON	: 10/Mar/2025 11:50AM
Referred By	: Dr.CAPF	Sample Received ON	: 10/Mar/2025 11:57AM
Refer Lab/Hosp	: CAPF (GC) BILLING	Report Generated ON	: 10/Mar/2025 01:30PM
Doctor Advice	: URINE COM. EXMAMINATION,TSH,VDRL,HIV,HCV,HBSAg,HBA1C (EDTA),RANDOM,BLOOD GROUP,CBC+ESR,KIDNEY FUNCTION TEST - I,LFT		

PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
CBC+ESR (COMPLETE BLOOD COUNT)				
Erythrocyte Sedimentation Rate ESR	**20.00**		0 - 15	Westergreen

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PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP				
Blood Group	''B''			
Rh (Anti -D)	**POSITIVE**			
HBA1C				
Glycosylated Hemoglobin (HbA1c)	5.3	%	4 - 5.7	HPLC (EDTA)

NOTE:-
Glycosylated Hemoglobin Test (HbA1c)is performed in this laboratoryby the Gold Standard Reference method,ie:HPLC Technology(High performance Liquid Chromatography D10) from Bio-Rad Laboratories.USA.

EXPECTED (RESULT) RANGE :

Bio system	Degree of normal
4.0 - 5.7 %	Normal Value (OR) Non Diabetic
5.8 - 6.4 %	Pre Diabetic Stage
> 6.5 %	Diabetic (or) Diabetic stage
6.5 - 7.0 %	Well Controlled Diabet
7.1 - 8.0 %	Unsatisfactory Control
> 8.0 %	Poor Control and needs treatment

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Test Name	Result	Unit	Bio. Ref. Range	Method
HEPATITIS B SURFACE ANTIGEN (HBsAg)				
Sample Type : SERUM				
HEPATITIS B SURFACE ANTIGEN	NON REACTIVE		<1 - Non Reactive >1 - Reactive	CMIA

Note: This is only a Screening test. Confirmation of the result (Non Reactive/Reactive)should be done by performing a PCR based test.

COMMENTS:

-HBsAg is the first serological marker after infection with Hepatitis B Virus appearing one to ten weeks after exposure and two to eight weeks before the onset of clinical symptoms. HBsAg persists during the acute phase and clears late in the convalescence phase. Failure to clear HBsAg within six months indicates a chronic HBsAg carrier state. HBsAg assays are used to identify the persons infected with HBV and to prevent transmission of the virus by blood and blood products as well as to monitor the status of infected individuals in combination with other hepatitis B serological markers.
-Borderline cases must be confirmed with confirmatory neutralizing assay.

LIMITATIONS:

-Results should be used in conjunction with patient history and other hepatitis markers for diagnosis of acute and chronic infections.
-Specimens from patients who have received preparations of mouse monoclonal antibodies for diagnosis or therapy may contain human anti-mouse antibodies (HAMA) which may produce anomalous values when tested with assay kits that employs mouse monoclonal antibodies.
-Heterophilic antibodies in human serum can react with reagent immunoglobulins, interfering with in vitro immunoassays. Patients routinely exposed to animals or animal serum products can be prone to this interference and anomalous results may be observed.
-Cross reactivity for specimens from individual with medical conditions (Pregnancy, HIV etc) has been observed.
-HBsAg mutations may result in a false negative result in some HBsAg assays.
-If HBsAg results are inconsistent with clinical evidence, additional testing is suggested to confirm the result.

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Test Name	Result	Unit	Bio. Ref. Range	Method
HIV				
HIV-SEROLOGY	NON REACTIVE		<1.0 : NON REACTIVE >1.0 : REACTIVE	

Done by: Vitros ECI (Sandwich Assay)
Note:-Elisa test is a screening method for HIV.It is known to give false Positive & Negative result.
Hence confirmation:"Western Blot" method is advised.

HCV				
Anti-Hepatitis C Virus Antibodies.	NON REACTIVE		< 1.0 : NON REACTIVE > 1.0 : REACTIVE	Sandwich Assay

Done by: Vitros ECI (Sandwich Assay)
Note:This is only a Screening test. Confirmation of the result (Non Reactive/Reactive)should be done by performing a PCR based test.

VDRL				
VDRL	NON REACTIVE			Slide Agglutination
URINE EXAMINATION REPORT				
Colour-U	YELLOW		Light Yellow	
Appearance (Urine)	CLEAR		Clear	
Specific Gravity	**1.015**		1.005 - 1.025	
pH-Urine	Acidic (6.0)		4.5 - 8.0	
PROTEIN	Absent	mg/dl	ABSENT	Dipstick
Glucose	Absent			
Ketones	Absent		Absent	
Bilirubin-U	Absent		Absent	
Blood-U	Absent		Absent	
Urobilinogen-U	0.20	EU/dL	0.2 - 1.0	
Leukocytes-U	Absent		Absent	
NITRITE	Absent		Absent	
MICROSCOPIC EXAMINATION				
Pus cells / hpf	Occasional	/hpf	< 5/hpf	
Epithelial Cells	Occasional	/hpf	0 - 5	
RBC / hpf	Nil		< 3/hpf	

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PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
CBC+ESR (COMPLETE BLOOD COUNT)				
Hb	14.5	g/dl	12 - 15	Non Cyanide
R.B.C. COUNT	**5.00**	mil/cmm	3.8 - 4.8	Electrical Impedence
PCV	44.0	%	36 - 45	Pulse hieght detection
MCV	88.7	fL	80 - 96	calculated
MCH	29.2	pg	27 - 33	Calculated
MCHC	33	g/dL	30 - 36	Calculated
RDW	13.7	%	11 - 15	RBC histogram derivation
RETIC	0.4 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	9780	/cmm	4000 - 10000	Flocytrometry
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHIL	58	%	40 - 75	Flowcytrometry
LYMPHOCYTE	36	%	20-40	Flowcytrometry
EOSINOPHIL	3	%	1 - 6	Flowcytrometry
MONOCYTE	3	%	2 - 10	Flowcytrometry
BASOPHIL	**0**	%	00 - 01	Flowcytrometry
PLATELET COUNT	168,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	168000	/cmm	150000 - 450000	Microscopy .
Mentzer Index	18			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic. Platelets are adequate. No immature cells or parasite seen.

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PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD SUGAR RANDOM				
BLOOD SUGAR RANDOM	100.2	mg/dl	70 - 170	Hexokinase
LIVER FUNCTION TEST				
TOTAL BILIRUBIN	0.41	mg/dl	0.4 - 1.1	Diazonium Ion
CONJUGATED (D. Bilirubin)	0.20	mg/dL	0.00-0.30	Diazotization
UNCONJUGATED (I.D. Bilirubin)	0.21	mg/dL	0.1 - 1.0	Calculated
ALK PHOS	97.30	U/L	30 - 120	PNPP, AMP Buffer
SGPT	**110.0**	U/L	5 - 40	UV without P5P
SGOT	**57.0**	U/L	5 - 40	UV without P5P
KIDNEY FUNCTION TEST - I				
Sample Type : SERUM				
BLOOD UREA	29.00	mg/dl	15 - 45	Urease, UV, Serum
CREATININE	0.70	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic
SODIUM Serum	136.0	MEq/L	135 - 155	ISE Direct
POTASSIUM Serum	4.0	MEq/L	3.5 - 5.5	ISE Direct

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Test Name	Result	Unit	Bio. Ref. Range	Method
TSH				
TSH	2.80	uIU/ml	0.47 - 4.52	ECLIA

Note

(1) Patients having low T3 & T4 levels but high TSH levels suffer from primary hypothyroidism,cretinism,juvenile mysedema or autoimmune disorders.

(2) Patients having low T3 & T4 levels but high TSH levels suffer from grave~s disease, toxic adenoma or sub-acute thyroiditis.

(3) Patients having either low or normal T3 & T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.

(4) Patients having high T3 & T4 levels but normal TSH levels may suffer from toxic multinodular goitre. This condition is mostly asymptomatic and may cause transient hyperthyroidism but no persistent symptoms.

(5) Patient with high or normal T3 & T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 Toxicosis respectively.

(6) In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the cacabolic state and may revert tonormal when the patient recovers.

(7) There are many drugs for eg.Glucocorticoids ,dopamine,Lithium,iodides ,oral radiographic dyes,ets.Which may affect the thyroid function tests.

(8) Generally when total T3& T4 results are indecisive then Free T3 & Free T4 test are recommended for further confirmation along with

(1 Beckman DxI-600 2. ELECTRO-CHEMILUMINISCENCE TECHINIQUE BY ELECSYSYS -E411)

***** End Of Report *****

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