

**ADVANCE DIAGNOSTICS CENTRE**

C1-C2/17A, NEAR NIHARIKA TALKIES

KORBA- 495677

PH-09228333 MOBILE-9300888178

NAME : MRS NEELAM SONI 29 Years / Female Reg No. : 20618
Ref. By : . SELF Reg. Date : 19/08/2022 01:43PM
Address : D3, SAI SUGHANDHA, SAI ENCLAVE NEAR AGROHA BHAW Collected At : MedZone Center

INVESTIGATION REPORT**CLINICAL BIOCHEMISTRY**

TEST	RESULT	UNIT	BIOLOGICAL REF RANGE	TEST METHOD
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Glucose - Random

Sample Type : PLASMA - NaF

Blood Glucose - Random (Methodology : : 100 mg/dl 70 - 150
GOD / POD)

Glycosylated Hemoglobin (GHb/HbA1c)

Sample Type : WB - EDTA

Glycosylated Hemoglobin (GHb/HbA1c) : 6.3 % 4.8 - 6.0 : Non Diabetic Biorad D10 HPLC
6.0 - 7.0 : Good Control
7.0 - 8.0 : Weak Control
More than 8 : Poor Control

Glycosylated hemoglobin (*hemoglobin A1c, HbA1c, A1C, or Hb1c*; sometimes also *HbA1c*) is a form of hemoglobin used primarily to identify the average plasma glucose concentration over prolonged periods of time. It is formed in a non-enzymatic pathway by hemoglobin's normal exposure to high plasma levels of glucose. Glycation of hemoglobin has been associated with cardiovascular disease, nephropathy and retinopathy in diabetes mellitus. Monitoring the HbA1c in type-1 diabetic patients may improve treatment. HbA1c is a weighted average of blood glucose levels during the preceding 120 days, which is the average life span of red blood cells. A large change in mean blood glucose can increase HbA1c levels within 1-2 weeks. Sudden changes in HbA1c may occur because recent changes in blood glucose levels contribute relatively more to the final HbA1c levels than earlier events. For instance, mean blood glucose levels in the 30 days immediately preceding blood sampling contribute 50% to the HbA1c level, whereas glucose levels in the preceding 90-120 day period contribute only 10%. Thus, it does not take 120 days to detect a clinically meaningful change in HbA1c following a significant change in mean plasma glucose level.

METHOD: Ion Exchange Chromatography High performance liquid chromatography(HPLC)

INSTRUMENT: D -10 Bio-Rad Laboratories;FRANCE

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Sample Barcode : 

Checked By:tulesh

**Dr. VANDANA CHANDANI**

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INVESTIGATION REPORT**CLINICAL PATHOLOGY**

<u>TEST</u>	<u>RESULT</u>	<u>UNIT</u>	<u>TEST METHOD</u>
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CUE (Complete Urine Examination)

Sample Type : URINE

PHYSICAL EXAMINATION :

Color : Pale Yellow
Appearance : clear
Reaction (pH) : 5.8 4.8-7.6
Specific Gravity : 1.014 1.002-1.030

CHEMICAL EXAMINATION :

Proteins : Absent
Sugar : Absent

MICROSCOPIC EXAMINATION :

Pus (WBC) Cells : 1-3 /hpf
Epithelial Cells. : 3-4 /hpf
R.B.C : Absent
Casts : Absent
Crystals : Absent
Others : Bacilli seen ++

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INVESTIGATION REPORT**HAEMATOLOGY**

TEST	RESULT	UNIT	BIOLOGICAL REF RANGE	TEST METHOD
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CBP (Complete Blood Picture)

Sample Type : WB - EDTA

Haemoglobin	: 11.6	gm%	11.5 - 16.0	
Total Erythrocyte Count	: 4.66	M/cmm	4.0 - 6.2	Cell Counter
Hematocrit (PCV)	: 36.3	Vol %	35.0 - 50.0	
Mean Corpuscular Volume	: 77.9	fL	80 - 100	
Mean Corpuscular Hemoglobin	: 24.9	PG	26 - 34	
MCHC	: 32.0	g/L	31 - 35	
RDW	: 14.7	%	11.5 - 14.5	
Total Leucocyte Count.	: 15210	/cumm	4000 - 11000	

DIFFERENTIAL COUNT :

Neutrophils	: 75	%	40 - 75	
Lymphocytes.	: 20	%	20 - 40	Cell Counter
Monocytes.	: 04	%	2 - 10	Cell Counter
Eosinophils	: 01	%	1 - 6	Cell Counter
Basophils	: 0	%	0 - 1	Cell Counter
Platelet Count	: 405000	/cmm	150000 - 450000	

Hemoglobin

Sample Type : WB - EDTA

Hemoglobin	: 11.6	gm/dl	11.5 - 15.0	Mindray BC 3600 Cell Counter
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