



Green Cross Pathology And Microbiology Lab Pvt. Ltd (Naranpura)
 27/28, Vishwamitra, Opp. Kalupur Bank, S.P. Stadium Rd, Near Golden Triangle, Ahmedabad-380014
 Ph. 48910458 Contact No : 079 -49186079, 49187039. Mo: 9925244859 ,9824048882

LABORATORY REPORT



Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
Case ID : 4073206266	Ref Id1 :	Mobile : 8128000411
Sample Type : EDTA Sample		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 10:31 AM	Bill. Loc. :	

Parameter	Result	Unit	Biological Ref. Interval
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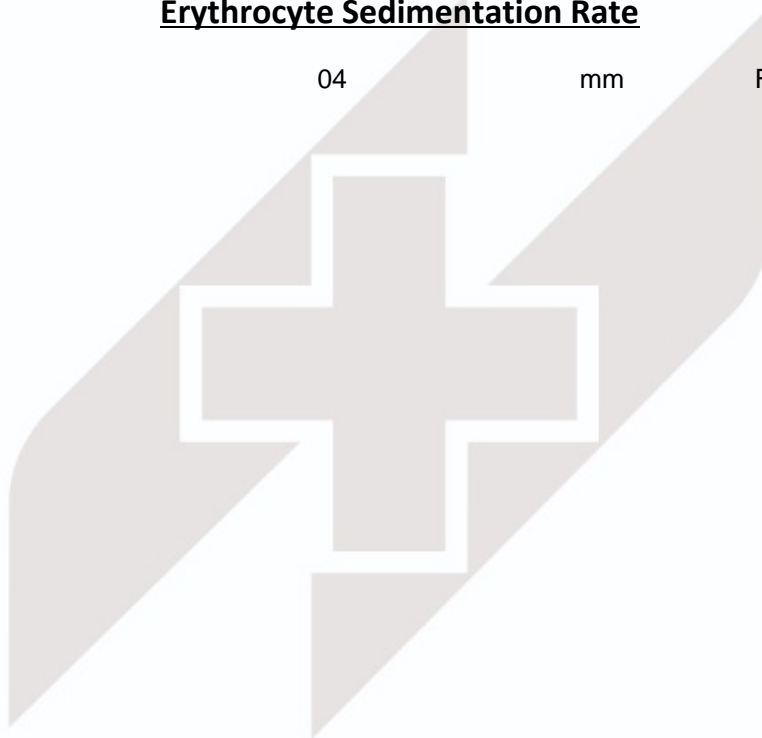
Erythrocyte Sedimentation Rate

After One Hour
Automated Analyser

04

mm

Female: <20 mm/hrs.



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 M.D.(Path.)

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LABORATORY REPORT

Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
Case ID : 4073206266	Ref Id1 :	Mobile : 8128000411
Sample Type : Fluoride PP		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 10:31 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 01:51 PM	Bill. Loc. :	

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BIOCHEMISTRY**Post Prandial Plasma Glucose**

91.22

mg/dL

<140 Normal Glucose
140-199 Pre-Diabetes
>200 Provisional Diagnosis
of Diabetes

Hexokinase

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Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 10:12 AM	Bill. Loc. :	

Parameter	Results	Unit	Biological Ref. Interval
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HAEMOGRAM

Method : Electrical Impedence/Optical Analysis by Automated cell Counter

Hemoglobin (Photometric)	L 10.5	gm%	12-15
RBC Count	4.58	mill/cmm	3.8-4.8
WBC Count	9200	/cmm	4000-10000
Platelet Count	281000	/cmm	150000-410000

DIFFERENTIAL WBC COUNT	[%]	EXPECTED VALUES	[Abs]	EXPECTED VALUES
Polymorphs	53 %	40 - 80	4876	/ul 2000-7000
Lymphocyte	40 %	20 - 40	3680	/ul 1000-3000
Eosinophils	02 %	1 - 6	184	/ul 20-500
Monocytes	05 %	2 - 10	460	/ul 200-1000
Basophils	00 %	0 - 2	0	/ul 0-100

Blood Indices (Calculated)

Hematocrit/PCV (Measured)	32.6	%	36-46
MCV	71.1	fL	83-101
MCH	23.0	Pg	27-32
MCHC	32.3	g/dL	31.5-34.5
RDW-CV	15.5	%	11.6 - 14.0
MPV	8.3	fL	7.2 - 11.7

WBC MORPHOLOGY	Premature cells are not seen.
RBC MORPHOLOGY	Microcytic(+), Hypochromic(+)
PLATELET MORPHOLOGY	Platelets are adequate on smear.
Malarial Parasite	Malarial parasites are not seen.

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LABORATORY REPORT



Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
Case ID : 4073206266	Ref Id1 :	Mobile : 8128000411
Sample Type : Fluoride F,SERUM		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 10:40 AM	Bill. Loc. :	

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BIOCHEMISTRY

Fasting Plasma Glucose <i>Hexokinase</i>	105.41	mg/dL	<= 100 : No impaired Glucose Tolerance 100-125: Pre- Diabetes,OGT Advised >=126 : Hyper Glycemia
Phosphorus <i>Phosphomolybdate UV PHOTOMETRIC</i>	5.03	mg/dL	2.5 - 4.5
Calcium <i>(Arsenazo III)</i>	9.51	mg/dL	8.8 - 10.6
Uric Acid <i>Uricase</i>	3.63	mg/dL	2.6 - 6.0

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Sample Type : SERUM		Passport :
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Renal Function Test

Urea (Urease/GLDH)	15.89	mg/dL	17 - 43
Creatinine (Enzymatic)	0.69	mg/dL	0.55 - 1.02
Sodium (ISE),,DIRECT	142.4	mEq/L	136-145
Potassium (ISE),,DIRECT	4.36	mEq/L	3.5-5.1
Chlorides (ISE),,DIRECT	103.4	mEq/L	98 - 107

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LIVER FUNCTION TEST(LFT)

Alkaline Phosphatase <i>P-Nitrophenyl Phosphate Kinetic Photometric, AMP Buffer Method</i>	51.20	U/L	30-120
ALT (S.G.P.T) <i>IFCC Without Puridoxal 5 Phosphate Activation</i>	20.72	U/L	Up to 35
AST (S.G.O.T) <i>IFCC Without Puridoxal 5 Phosphate Activation</i>	21.89	U/L	Up To 35
Total Protein <i>Biruet, Photometric</i>	7.03	gm/dL	6.6-8.3
Albumin <i>Bromocresol Green</i>	4.06	gm/dL	3.5-5.2
Globulin <i>calculated</i>	2.97	gm/dL	2.7 - 3.5
A/G Ratio <i>calculated</i>	1.37		2:1
Total Bilirubin <i>Dichloroaniline, Photometric</i>	0.43	mg/dL	0.3-1.2
Direct Bilirubin <i>Dichloroaniline, Photometric</i>	0.08	mg/dL	< 0.2
Indirect Bilirubin <i>Calculation</i>	0.35	mg/dL	Up to 0.7

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Sample Type : SERUM		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
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LIPID PROFILE			
Cholesterol <i>Cholesterol Oxidase- Esterase- Peroxidase</i>	179.34	mg/dL	Optimal : <160 , Near or Above Optimal : 160-199 Boderline : 200-239 , High: 240-279 Very High: >280
Triglycerides <i>Endpoint method</i>	130.84	mg/dL	Optimal:<150 ,Near or Above Optimal:150-169 Boderline : 170-199, High:200-499, Very High:>500
HDL Cholesterol <i>(Enzymatic)</i>	38.31	mg/dL	Optimal : > = 60 , near or Below optimal : 50 - 59 Borderline : 40 - 49
LDL Cholesterol <i>(Enzymatic)</i>	115.45	mg/dL	Optimal : < 110 Near or Above optimal : 100 - 129 Borderline : 130 - 159 High : 160 - 189 Very High : > 190 High : 160 -189
VLDL Cholesterol <i>calculated</i>	26.17	mg/dL	
Cholesterol/HDL ratio <i>Calculation</i>	4.68		
LDL/HDL Ratio <i>calculated</i>	3.01		

Reference Range : As per kit insert

Note : Triglyceride level changes acutely & temporarily because of previous night's diet, fasting/non-fasting state & changes in the blood sugar level. Certain medications can influence your triglyceride levels. These include some blood pressure medicines, corticosteroids, antipsychotics, isotretinoin, HIV treatments, and estrogen.

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Sample Type : EDTA Sample		Passport :
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Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 11:04 AM	Bill. Loc. :	

Parameter	Result	Unit	Biological Ref. Interval
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HbA1c(Glyco Hb)

HPLC

HbA1c

6.0

< 5.7 : Normal
5.7 - 6.4 : Prediabetic
≥ 6.5 : Diabetic

Mean Plasma Glucose

Calculation

136.30

mg%

Notes:

18 years & above: 4.0-6.0%

Reference values have not been established for patients who are <18 years of age.

Interpretation:

-Diagnosing diabetes (ADA) - Hemoglobin A1c (HbA1c) >6.5%

-Therapeutic goals for glycemic control (ADA)

- Adults:

- Goal of therapy: <7.0% HbA1c

- Action suggested: >8.0% HbA1c

- Pediatric patients:

- Toddlers and preschoolers: <8.5 % (but >7.5%)

- School age (6-12 years): <8%

- Adolescents and young adults (13-19 years): <7.5%

ADA-American Diabetes Association

Note : Value of HbA1C may be affected in-case of Hemoglobinopathy.

Reference: Mayo Clinic

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Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
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Sample Type : SERUM		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 10:46 AM	Bill. Loc. :	

Parameter	Result	Unit	Biological Ref. Interval
THYROID FUNCTION TEST (T3, T4, TSH)			
T3 (Triiodothyronine) <i>Chemiluminescent Microparticle Immunoassay (CMIA)</i>	1.10	ng/mL	0.70 - 2.04 Pregnancy: First Trimester : 0.81 - 1.90 Sec. Trimester : 1.0 - 2.60 Third Trimester: 1.0 - 2.60
T4 (Thyroxine) <i>Chemiluminescent Microparticle Immunoassay (CMIA)</i>	7.38	µg%	5.5 - 11.0 Pregnancy: First Trimester : 6.6 - 12.4 Sec. Trimester : 6.6 - 15.5 Third Trimester: 6.6 - 15.5
TSH(Thyroid Stimulating Hormone) <i>Chemiluminescent Microparticle Immunoassay (CMIA)</i>	3.1288	micro IU/mL	0.4 - 4.2 Pregnancy: First Trimester : 0.3 - 4.5 Second Trimester: 0.5 - 4.6 Third Trimester : 0.8 - 5.2

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Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
Case ID : 4073206266	Ref Id1 :	Mobile : 8128000411
Sample Type : SERUM		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
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IMMUNOASSAY

B12 LEVEL	778.00	pg/mL	Healthy Adults :187 - 883
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Chemiluminescent Microparticle Immunoassay (CMIA)

INTERPRETATION

Dietary sources of Vitamin B12 are meat, eggs, milk and milk products. Vitamin B12 requires intrinsic factor for absorption from intestine.

B12 deficiency causes hematological and neurological abnormalities. Decreased serum B12 levels causes increased excretion of methylmalonic acid. The impaired DNA synthesis associated with Vitamin B12 deficiency causes macrocytic anemias. In sever is characterized by abnormal maturation of erythrocyte, myeloid precursors and megakaryocytes in the bone marrow, which results in the pancytopenia.

Withhold Vitamin B12 injection before the blood is drawn. Blood collected after Vitamin B12 Injection interfere with result. Preservatives such as fluorides & ascorbic acid interfere with this assay. Excessive exposure of the specimen to light may alter Vitamin B12 result.

25-OH Vitamin D3

20.50

ng/mL

Chemiluminescent Microparticle Immunoassay (CMIA)

< 10.0 : Deficiency
10 - 30 : Insufficiency
30 - 100 : Sufficiency
> 100 : Toxicity

Source:

Fatty fish, foods fortified with vitamin D like some dairy products, orange juice, soy milk, cereals
beef liver, chesse, egg yolk.

Vitamin D promotes absorption of Calcium and phosphorus and mineralization of bone and teeth.

Deficiency in children- Rickets; Deficiency in adults- Osteomalacia. Also lead to Hypocalcemia and Tetany

Various causes of deficiency are Inadequate exposure to sunlight, Dietary deficiency, Vitamin-D malabsorption, Severe hepatocellular disease,, Nephrotic syndrome, Drugs like anticonvulsants etc.

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LABORATORY REPORT



Name : Nayna A Patel	Sex/Age : Female / 46 Years	BirthDay :
Case ID : 4073206266	Ref Id1 :	Mobile : 8128000411
Sample Type : Urine		Passport :
Reg Date and Time : 20-Jul-2024 07:42 AM	Ref. By : Dr. PRARTHNA MEHTA (M. D.)	
Sample Date and Time : 20-Jul-2024 07:42 AM	Pt. Loc : RANIP CENTER	
Report Date and Time : 20-Jul-2024 02:53 PM	Bill. Loc. :	

Parameter	Result	Unit	Biological Ref. Interval
<u>URINE EXAMINATION</u>			
<u>Urine Physical Examination</u>			
Quantity	25	ml	
Colour	Pale Yellow		
Clarity	Hazy		
Specific Gravity	1.030		1.003 - 1.035
<u>Urine Chemical Examination</u>			
Urine Protein	Trace		Absent
Urine Sugar	Absent		Absent
Ketones	Absent		Absent
Bile Salts	Absent		Absent
Bile Pigments	Absent		Absent
pH	6.0		
<u>Urine Microscopic Examination</u>			
W.B.C. (Pus Cells)	20-25	/H.P.F	0-5/H.P.F
Red Blood Cells	8-10	/H.P.F	0-2/H.P.F
Amorphus	Absent		Absent
Epithelial Cells	2-3		Absent
Casts	Absent		Absent
Type	Absent		Absent
Crystals	Absent	/H.P.F	Absent
Fungus	Absent		Absent

Note:- Presence of visible excessive level of blood, bilirubin, drugs containing dyes, nitrofurantoin, riboflavin, ascorbic acid interferes with reading

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

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