



NABL ACCREDITED
MC 2113



Collected	19/11/2019	4:49:00PM
Received	19/11/2019	4:58:28PM
Reported	20/11/2019	9:46:22AM
Report Status	Final	

Test Name	Results	Units	Bio. Ref. Interval
VITAMIN D, 25 - HYDROXY, SERUM (CLIA)	13.03	nmol/L	75.00 - 250.00

LEVEL	REFERENCE RANGE IN nmol/L	COMMENTS
Deficient	< 50	High risk for developing bone disease
Insufficient	50-74	Vitamin D concentration which normalizes Parathyroid hormone concentration
Sufficient	75-250	Optimal concentration for maximal health benefit
Potential intoxication	>250	High risk for toxic effects

- The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D.
- 25 (OH)D is influenced by sunlight, latitude, skin pigmentation, sunscreen use and hepatic function.
- Optimal calcium absorption requires vitamin D 25 (OH) levels exceeding 75 nmol/L.
- It shows seasonal variation, with values being 40-50% lower in winter than in summer.
- Levels vary with age and are increased in pregnancy.
- A new test Vitamin D, Ultrasensitive by LC-MS/MS is also available

Comments
Vitamin D promotes absorption of calcium and phosphorus and mineralization of bones and teeth. Deficiency in children causes Rickets and in adults leads to Osteomalacia. It can also lead to Hypocalcemia and Tetany. Vitamin D status is best determined by measurement of 25 hydroxy vitamin D, as it is the major circulating form and has longer half life (2-3 weeks) than 1,25 Dihydroxy vitamin D (5-8 hrs).

Decreased Levels

L19 - SINGH LABORATORY
 SHAHU MARKET, HOSAIRPUR ROAD
 DASUYA



Name: Mrs. TARSEM KUMARI

Lab No.: 270897131

Age: 56 Years

Gender: Female

A/c Status: P

Ref By: Dr. S. RAJ (MD)

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- Inadequate exposure to sunlight
- Dietary deficiency
- Vitamin D malabsorption
- Severe Hepatocellular disease
- Drugs like Anticonvulsants
- Nephrotic syndrome

Increased levels

Vitamin D intoxication

Dr Himangshu Mazumdar

Dr Himangshu Mazumdar
 MD, Biochemistry
 Senior Consultant - Clinical Chemistry
 & Biochemical Genetics
 NRL - Dr Lal PathLabs Ltd

Dr Nimmi Kansal

Dr Nimmi Kansal
 MD, Biochemistry
 National Head - Clinical Chemistry &
 Biochemical Genetics
 NRL - Dr Lal PathLabs Ltd

-----End of report-----

IMPORTANT INSTRUCTIONS

*Test results released pertain to the specimen submitted.*All test results are dependent on the quality of the sample received by the Laboratory
 *Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician *Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.*Certain tests may require further testing at additional cost for derivation of exact value Kindly submit request within 72 hours post reporting.*Test results may show interlaboratory variations.*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).*Test results are not valid for medico legal purposes *Contact customer care Tel No. +91-11-39885050 for all queries related to test results.
 (#) Sample drawn from outside source.

PUNJAB

Mob.94647-83031

Clinical Laboratory & E.C.G.

Near Civil Hospital, Hajipur Teh. Mukerian (Hoshiarpur)



Fully Computerised Lab

Email: punjablabhajipur@yahoo.com



REG NO. : OPD / 21

NAME : Smt. Tarsem Kumari

AGE : 56 Years

SEX : Female

REF BY : S.S

DATE : 18-11-2019

Hemoglobin	: 11.0	gm%	11.5 - 16.0
Total Leucocytes Count	: 9400	/cmm	4000 - 11000
<u>Differential Leucocyte Count</u>			
Neutrophil	: 65	%	50 - 70
Lymphocytes	: 27	%	20 - 40
Monocytes	: 03	%	2 - 8
Eosinophils	: 05	%	1 - 4
Basophil	: 00	%	0 - 1
RBC count	: 3.89	mil./cu.mm.	3.8 - 5.8
Platelets Count	: 159000	/cmm	150000 - 450000

BIOCHEMISTRY

Blood Glucose (Random)	: 190	mg/dl	70 - 140
Serum Uric Acid	: 6.22	mg/dl	2.3 - 6.0
Serum Calcium	: 8.3	mg%	9 - 11

URINE ANALYSIS REPORT

<u>TESTS</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>REFERENCE RANGE</u>
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Physical Examination

Colour	: Pale Yellow		
Quantity	: 20 ml		
Appearance	: Clear		
Specific gravity	: 1012		
Reaction (pH)	: Acidic		4.8-7.6

Chemical Examination

SUGAR	: +
Albumin	: trace

Microscopic Examination

In Charge
R. Singh
(B.Sc.MLT)

Not Valid For Medico Legal Purpose

RBC 1-2 hpf
PUS(WBC) Cells 8-10 hpf
Computerised Cell Counter, Bio Chemistry Auto Analyzer, ESR Analyzer, Urine Analyzer Auto Calibrator etc.

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Email: punjablabhajipur@yahoo.com



REG NO. : OPD / 21

NAME : Smt. Tarsem Kumari

AGE : 56 Years

SEX : Female

REF BY : S.S

DATE : 18/11/2019

Epithelial Cells : few /hpf

Casts : nil

Crystals : nil

Technologist

Incharge
R. Singh
(B.Sc.MLT)

Not Valid For Medico Legal Purpose

Computerised Cell Counter, Bio Chemistry Auto Analyzer, ESR Analyzer,
Urine Analyzer, Auto Calorimeter etc.

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Email: punjablabhajipur@yahoo.com

REG NO. : OPD / 18
NAME : Smt. Tarsem Kumari
AGE : 56 Years
SEX : Female
REF BY : S.S
DATE : 27/11/2019

Hemoglobin	: 10.6	gm%	11.5 - 16.0
Total Leucocytes Count	: 8800	/cmm	4000 - 11000
<u>Differential Leucocyte Count</u>			
Neutrophil	: 48	%	50 - 70
Lymphocytes	: 40	%	20 - 40
Monocytes	: 05	%	2 - 8
Eosinophils	: 07	%	1 - 4
Basophil	: 00	%	0 - 1
RBC count	: 3.81	mil./cu.mm.	3.8 - 5.8
Platelets Count	: 152000	/cmm	150000 - 450000

BIOCHEMISTRY

Blood Glucose (Random)	: 99	mg/dl	70 - 140
Serum Uric Acid	: 5.87	mg/dl	2.3 - 6.0
Blood Urea	: 27	mg/dl	10 - 45
Serum Creatinine	: 0.9	mg/dl	0.8 - 1.2

SERUM ELECTROLYTES

Serum Sodium	: 142	mmol	135 - 155
Serum Potassium	: 4.1	m. eq./l	3.8 - 5.2
Serum Calcium	: 8.7	m. eq./l	8.5 - 10.5

LIPID PROFILE

S. Cholesterol	: 181	mg/dl	125 - 225
S. Triglycerides	: 257	mg/dl	25 - 160
HDL Cholesterol	: 60	mg/dl	30 - 70
LDL Cholesterol	: 69.6	mg/dl	85 - 150
VLDL Cholesterol	: 51.4	mg/dl	7 - 35
LDLC/HDLC RATIO	: 1.16		2.5 - 3.5
TC/HDLC RATIO	: 4.28		

Incharge
R. Singh
(B.Sc.MLT)
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SUGAR : Nil

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Microscopic Examination

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PUS(WBC) Cells : 4-6 /hpf

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