



# S. R. MEDICAL INSTITUTE & RESEARCH CENTRE

(A Unit of Katyayani Health Care Pvt. Ltd.)  
Lauries Complex, Namner Road, Near Sai Ka Takiya X-ing, AGRA-1




## PATHOLOGY REPORT

Date	13/01/2023	Sri No.	8	Company	TPA
Name	MS. ANJALI SHARMA	Age	28 Yrs	Sex	F
Ref. By	Dr. C/O BANK OF BARODA				

Test Name	Value	Unit	Reference Value
<b>THYROID FUNCTION TEST</b>			
FREE T3	3.19	pmol/l	2.02 - 4.43
FREE T4	1.28	pmol/l	12.0 - 22.0
THYROID STIMULATING HORMONE TSH	1.62	uIU/mL	0.35 - 5.50

\*\* End of Report \*\*

Phone : (0562) 4301222, 9359901993  
 Email : srhospital98@gmail.com  
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**Dr. Tanuja Goyal**  
 M.B.B.S., M.D. Path  
 Consultant Pathologist

**Not valid for Medicolegal purpose**

Tests have Technical Limitations. Collaborative, Clinicopathological Interpretation is indicated in case of disparity test maybe repeated immediately. Report are to be interpreted by qualified medical specialist. In case of any discrepancy due to machine error or typing error, Please get it rectified immediately.



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परामर्श का समय : जानकारी का समय 4-6 मजे  
कार्य 8.30 से 5.30 बजे (S.R. Medical, Namner, Agra Ph. - 0562-  
सुबह 10 से दोपहर 2 बजे तक (70-A, M. G. Road, Opp. Subhash

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<b>HAEMATOLOGY</b>			
HAEMOGLOBIN (Hb)	12.6	gm/dl	11.5 - 16.4
TLC (Total Leucocyte Count)	8200	/cumm	4000 - 11000
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>			
NEUTROPHIL	59	%	45 - 75
LYMPHOCYTE	37	%	20 - 45
EOSINOPHIL	02	%	1 - 6
MONOCYTE	02	%	1 - 10
R B C (Red Blood Cell Count)	4.45	Millions/cmm	4.2 - 5.4
PLATELET COUNT	278	$\times 10^3/uL$	150 - 450
Hct (Hematocrit/PCV)	41.0	%	38 - 47
M C V (Mean Corp Volume)	92.135	fL	80.0 - 100.0
M C H (Mean Corp Hb)	28.315	pg	26.0 - 34.0
M C H C (Mean Corp Hb Conc)	30.732	g/DL	31.0 - 37.0

## BIOCHEMISTRY

### BIOCHEMISTRY SPECIAL

#### FERRITIN

SERUM FERRITIN.....29.3 Normal Range 22.0 - 322.0 ng/ml

Category	Total Observed Range
Iron Deficiency	: 0.68 - 34.5
Other Anemia	: 13.0 - 1390.8
Iron Overload	: 334.6 - 8573.0
Renal Dialysis	: 31.3 - 1321.2
Chronic Liver Disease	: 7.9 - 12826.0

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### ENDOCRINOLOGY

<b>VITAMIN B12 LEVEL</b>	448	pg/mL	211 - 911
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#### Comments

Vitamin B12 along with folate is essential for DNA synthesis and myelin formation. Vitamin B12 deficiency can be because of nutritional deficiency, malabsorption and the gastrointestinal causes. The test is ordered primarily to help diagnose the cause of macrocytic/ megaloblastic anaemia.

#### Decreased levels are seen in:

Anaemia, normal near term pregnancy, vegetarianism

partial gastrectomy/ileal damage, celiac disease, with oral contraceptive use, parasitic competition, pancreatic deficiency, treated epilepsy, smoking, hemodialysis and advancing age.

#### Increased levels are seen in:

Renal failure, hepatocellular disorders, myeloproliferative disorders and at times with excess supplementation of vitamins pills.

25 OH VITAMIN D	10.7	ng/mL	20 - 100
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#### Intoxication

> 100 ng/mL

#### Reference Range

Deficiency <20ng/ml

Insufficiency 20-30ng/ml

Sufficiency 30-100ng/ml

Toxicity >100ng/ml

#### Comment

cholecalciferol (Vitamin D3) is synthesized in the skin from 7 dehydrocholesterol in response to sunlight : some part also comes from diet and supplements. Ergocalciferol comes essentially from diet and supplements. Both cholecalciferol and ergocalciferol are converted in liver to 25 OH Vitamin D which is considered the best indicator of vitamin D nutritional status. Vitamin D toxicity is recognized but is rare occurrence.

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