

Patient Name : Mr. SHEYAMU	Visit No : CHA250043693
Age/Gender : 24 Y/M	Registration ON : 11/Mar/2025 11:09AM
Lab No : 10140988	Sample Collected ON : 11/Mar/2025 11:20AM
Referred By : Dr. MOHD RIZWANUL HAQUE	Sample Received ON : 11/Mar/2025 11:33AM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 11/Mar/2025 12:59PM
Doctor Advice : SERUM IGE, TSH, FT4, BUN, CREATININE, ESR, CBC (WHOLE BLOOD), CHEST PA, DIGITAL 1	



Test Name	Result	Unit	Bio. Ref. Range	Method
ESR				
Erythrocyte Sedimentation Rate ESR	8.00		0 - 15	Westergreen

Note:

1. Test conducted on EDTA whole blood at 37°C.
2. ESR readings are auto- corrected with respect to Hematocrit (PCV) values.
3. It indicates presence and intensity of an inflammatory process. It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, acute rheumatic fever. It is also increased in multiple myeloma, hypothyroidism.

BLOOD UREA NITROGEN				
Blood Urea Nitrogen (BUN)	15.42	mg/dL	7-21	calculated

CHARAK

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PATHOLOGIST

DR. SHADAB
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Test Name	Result	Unit	Bio. Ref. Range	Method
FT4				
FT4	18.0	pmol/L	7.86 - 14.42	CLIA

Note

- (1) Patients having low T3 & T4 levels but high TSH levels suffer from primary hypothyroidism, cretinism, juvenile myxedema 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 catabolic state and may revert to normal when the patient recovers.
- (7) There are many drugs for eg. Glucocorticoids, dopamine, Lithium, iodides, oral radiographic dyes, etc. 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 TSH levels.

(ELECTRO-CHEMILUMINESCENCE TECHNIQUE BY ELECSYS -2010)

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Sharma

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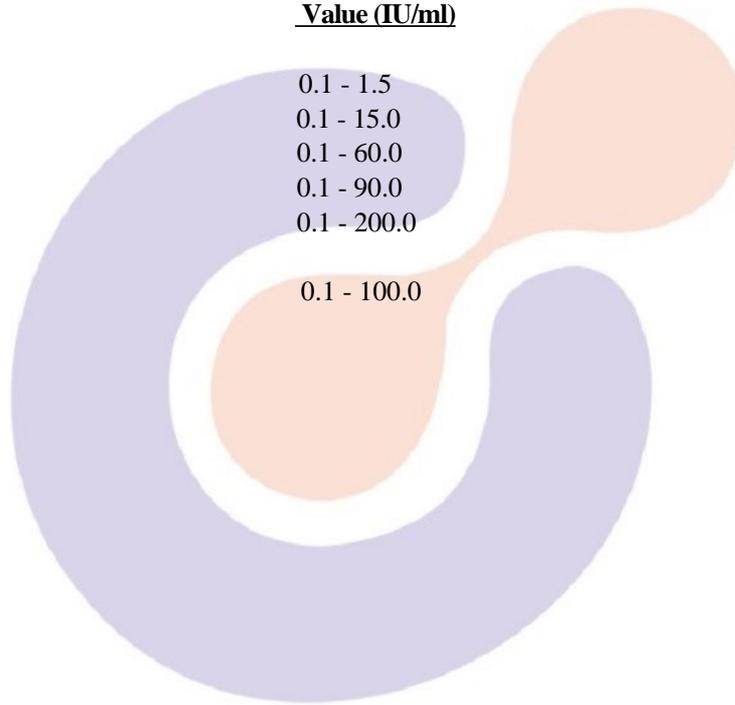
Dr. SYED SAIF AHMAD
MD (MICROBIOLOGY)

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Test Name	Result	Unit	Bio. Ref. Range	Method
SERUM IGE				
SERUM IGE	243		0.10 - 100	CLIA

<u>Age group</u>	<u>Value (IU/ml)</u>
Neonates	0.1 - 1.5
Infants in first year of life	0.1 - 15.0
Children aged 1-5 Years	0.1 - 60.0
Children aged 6-9 Years	0.1 - 90.0
Children aged 10-15 Years	0.1 - 200.0
Adults	0.1 - 100.0



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Test Name	Result	Unit	Bio. Ref. Range	Method
CBC (COMPLETE BLOOD COUNT)				
Hb	15.9	g/dl	12 - 15	Non Cyanide
R.B.C. COUNT	5.60	mil/cmm	3.8 - 4.8	Electrical Impedence
PCV	47.8	%	36 - 45	Pulse height detection
MCV	84.9	fL	80 - 96	calculated
MCH	28.2	pg	27 - 33	Calculated
MCHC	33.3	g/dL	30 - 36	Calculated
RDW	13.3	%	11 - 15	RBC histogram derivation
RETIC	1.0 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	7490	/cmm	4000 - 10000	Flocytometry
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHIL	52	%	40 - 75	Flowcytometry
LYMPHOCYTES	35	%	25 - 45	Flowcytometry
EOSINOPHIL	10	%	1 - 6	Flowcytometry
MONOCYTE	3	%	2 - 10	Flowcytometry
BASOPHIL	0	%	00 - 01	Flowcytometry
PLATELET COUNT	272,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	272000	/cmm	150000 - 450000	Microscopy .
Absolute Neutrophils Count	3,895	/cmm	2000 - 7000	Calculated
Absolute Lymphocytes Count	2,622	/cmm	1000-3000	Calculated
Absolute Eosinophils Count	749	/cmm	20-500	Calculated
Absolute Monocytes Count	225	/cmm	200-1000	Calculated
Mentzer Index	15			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic. WBCs show mild eosinophilia. Platelets are adequate. No immature cells or parasite seen.



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Test Name	Result	Unit	Bio. Ref. Range	Method
SERUM CREATININE				
CREATININE	0.60	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic

TSH	Result	Unit	Bio. Ref. Range	Method
TSH	2.60	uIU/ml	0.47 - 4.52	ECLIA

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

*** End Of Report ***



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