

A13 - NAHAN HP CC
 SURINNDER KUMAR RANA SHOP NO 1 MOHAL
 HARIPUR NEAR YS PARMAR GOVT MEDICAL
 COLLEGE & HOSPITAL, NAHAN

Name	: Mr. GOURAV BANSAL	Collected	: 14/6/2021 12:50:00PM
Lab No.	: 278454394	Received	: 14/6/2021 1:07:12PM
Age: 28 Years	Gender: Male	Reported	: 14/6/2021 7:57:07PM
A/c Status : P	Ref By : SELF	Report Status	: Interim

Test Name	Results	Units	Bio. Ref. Interval
THALASSEMIA PROFILE			

COMPLETE BLOOD COUNT;CBC
 (Electrical Impedence,Manual)

Hemoglobin	14.40	g/dL	13.00 - 17.00
Packed Cell Volume (PCV)	41.80	%	40.00 - 50.00
RBC Count	4.58	mill/mm3	4.50 - 5.50
MCV	91.00	fL	83.00 - 101.00
MCH	31.50	pg	27.00 - 32.00
MCHC	34.60	g/dL	31.50 - 34.50
Red Cell Distribution Width (RDW)	14.10	%	11.60 - 14.00
Total Leukocyte Count (TLC)	7.20	thou/mm3	4.00 - 10.00
Differential Leucocyte Count (DLC)			
Segmented Neutrophils	56.80	%	40.00 - 80.00
Lymphocytes	35.30	%	20.00 - 40.00
Monocytes	6.30	%	2.00 - 10.00
Eosinophils	1.60	%	1.00 - 6.00
Basophils	0.00	%	<2.00
Absolute Leucocyte Count			
Neutrophils	4.09	thou/mm3	2.00 - 7.00
Lymphocytes	2.54	thou/mm3	1.00 - 3.00
Monocytes	0.45	thou/mm3	0.20 - 1.00
Eosinophils	0.12	thou/mm3	0.02 - 0.50
Basophils	0.00	thou/mm3	0.02 - 0.10



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Test Name	Results	Units	Bio. Ref. Interval
Platelet Count	193.0	thou/mm3	150.00 - 410.00
Mean Platelet Volume	10.4	fL	6.5 - 12.0

Note

- As per the recommendation of International council for Standardization in Hematology, the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood
- Test conducted on EDTA whole blood



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Test Name	Results	Units	Bio. Ref. Interval
IRON STUDIES, SERUM (Spectrophotometry)			
Iron	56.00	ug/dL	65.00 - 175.00
Total Iron Binding Capacity (TIBC)	273.00	µg/dL	250 - 425
Transferrin Saturation	20.51	%	20.00 - 50.00

Comments
Iron is an essential trace mineral element which forms an important component of hemoglobin, metallocompounds and Vitamin A. Deficiency of iron, leads to microcytic hypochromic anemia. The toxic effects of iron are deposition of iron in various organs of the body and hemochromatosis.
Total Iron Binding capacity (TIBC) is a direct measure of the protein Transferrin which transports iron from the gut to storage sites in the bone marrow. In iron deficiency anemia, serum iron is reduced and TIBC increases.
Transferrin Saturation occurs in Idiopathic hemochromatosis and Transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of Transferrin.

GLUCOSE, FASTING (F), PLASMA (Hexokinase)	96.00	mg/dL	70.00 - 100.00
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Test Name	Results	Units	Bio. Ref. Interval
HEPATITIS C ANTIBODY (Anti-HCV), SERUM (CLIA)	0.38	Index	<0.80

Interpretation

RESULT (INDEX)	REMARKS	INTERPRETATION
<0.80	Non Reactive	Indicates absence of antibodies to Hepatitis C virus
>=0.80- <1.00	Equivocal	Equivocal result requires repeat testing in 10-14 days
>=1.00	Reactive	Indicates presence of antibodies to Hepatitis C virus.

Note

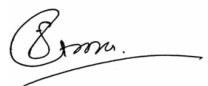
1. Reactive test result indicates presence of Hepatitis C virus infection. Active infection to be confirmed by HCV RNA PCR test. It cannot differentiate between the stages of Hepatitis C viral infection nor used to monitor the efficacy of treatment.
2. Low & High Reactive anti-HCV results are recommended to be evaluated by HCV RNA PCR studies.
3. Non-Reactive test result indicates Hepatitis C virus infection is unlikely.
4. False positive results may be observed in patients receiving mouse monoclonal antibodies, on heparin therapy, on biotin supplements for diagnosis or therapy or presence of heterophilic antibodies in serum.
5. False negative reaction may be due to processing of sample collected early in the course of disease, Prozone phenomenon, Immunosuppression & Immuno-incompetence.

Uses

- To diagnose suspected HCV infection in risk group.
- Prenatal Screening of pregnant women and pre surgical/interventional procedures work up.



Dr. Simranjeet Kaur
MBBS, MD, DNB
Chief of Laboratory
Dr Lal PathLabs Ltd



Dr Sandeep Kumar Arora
MD, Pathology
Chief of Laboratory
Dr Lal PathLabs Ltd



Dr Tanya Sharma
MD, Microbiology
Consultant Microbiologist
Dr Lal PathLabs Ltd

Result/s to follow:

HEMOGLOBIN HPLC/ELECTROPHORESIS, RPR, SERUM, HEPATITIS B SURFACE ANTIGEN (HBsAg), RAPID SCREENING TEST, SERUM, HIV 1 & 2 ANTIBODIES SCREENING TEST, SERUM



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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.

