

Patient Name : Mr Honey Kumar
 DOB/Age/Gender : 23 Y/Male
 Patient ID / UHID : 5755308/RCL4944274
 Referred By : Dr.
 Sample Type : Whole blood EDTA
 Barcode No : HX341930

Bill Date : Oct 07, 2023, 10:19 AM
 Sample Collected : Oct 07, 2023, 12:33 PM
 Sample Received : Oct 07, 2023, 04:38 PM
 Report Date : Oct 07, 2023, 05:48 PM
 Report Status : Final Report



Test Description	Value(s)	Unit(s)	Reference Range
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HEMATOLOGY REPORT
Fever Package- Essential
Complete Blood Count (CBC)

RBC PARAMETERS

Hemoglobin	14.7	g/dL	13.0 - 17.0
Method : colorimetric			
RBC Count	5	10 ⁶ /μl	4.5 - 5.5
Method : Electrical impedance			
PCV	45	%	40 - 50
Method : Calculated			
MCV	90	fl	83 - 101
Method : Calculated			
MCH	29.4	pg	27 - 32
Method : Calculated			
MCHC	32.7	g/dL	31.5 - 34.5
Method : Calculated			
RDW (CV)	15.3	%	11.6 - 14.0
Method : Calculated			
RDW-SD	41.6	fl	35.1 - 43.9
Method : Calculated			

WBC PARAMETERS

TLC	6.5	10 ³ /μl	4 - 10
Method : Electrical impedance and microscopy			

DIFFERENTIAL LEUCOCYTE COUNT

Neutrophils	47.6	%	40-80
Lymphocytes	42.4	%	20-40
Monocytes	8	%	2-10
Eosinophils	1.6	%	1-6
Basophils	0.4	%	<2

Absolute leukocyte counts

Neutrophils.	3.09	10 ³ /μl	2 - 7
Lymphocytes.	2.76	10 ³ /μl	1 - 3
Monocytes.	0.52	10 ³ /μl	0.2 - 1.0
Eosinophils.	0.1	10 ³ /μl	0.02 - 0.5
Basophils.	0.03	10 ³ /μl	0.02 - 0.5

PLATELET PARAMETERS

Platelet Count	160	10 ³ /μl	150 - 410
Method : Electrical impedance and microscopy			
Mean Platelet Volume (MPV)	13.8	fL	9.3 - 12.1

Dr. Islam Barkatullah Khan

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MD (Pathology)
Consultant Pathologist



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Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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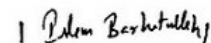
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Method : Calculated			
PCT	0.2	%	0.17 - 0.32
Method : Calculated			
PDW	34.2	fL	8.3 - 25.0
Method : Calculated			
P-LCR	64.2	%	18 - 50
Method : Calculated			
P-LCC	82	%	44 - 140
Method : Calculated			
Mentzer Index	18	%	-

Interpretation:

CBC provides information about red cells, white cells and platelets. Results are useful in the diagnosis of anemia, infections, leukemias, clotting disorders and many other medical conditions.



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HEMATOLOGY REPORT

Fever Package- Essential

Erythrocyte Sedimentation Rate (ESR)

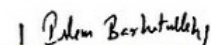
ESR - Erythrocyte Sedimentation Rate	9	mm/hr	0 - 10
Method : MODIFIED WESTERGREN			

Interpretation:

ESR is also known as Erythrocyte Sedimentation Rate. An ESR test is used to assess inflammation in the body. Many conditions can cause an abnormal ESR, so an ESR test is typically used with other tests to diagnose and monitor different diseases. An elevated ESR may occur in inflammatory conditions including infection, rheumatoid arthritis, systemic vasculitis, anemia, multiple myeloma, etc. Low levels are typically seen in congestive heart failure, polycythemia, sickle cell anemia, hypo fibrinogenemia, etc.

AGE	MALE	FEMALE
1 DAY	0-12	0-12
2 - 7 DAYS	0-4	0-4
8 - 14 DAYS	0-17	0-17
15 DAYS - 17 YEARS	0-20	0-20
18 - 50 YEARS	0-10	0-12
51 - 60 YEARS	0-12	0-19
61 - 70 YEARS	0-14	0-20
71 - 100 YEARS	0-30	0-35

Reference- Dacie and lewis practical hematology



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HEMATOLOGY REPORT

Fever Package- Essential

Malarial Parasite (MP) Smear

MP(PBF FOR MP)

Method : Microscopy

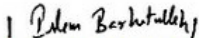
Not seen

-

Not seen

Interpretation:

1. Malaria is a serious parasitic diseases characterized by fever, chills, and anemia and is caused by a parasite that is transmitted human to human by the bite of infected female Anopheles mosquitoes.
2. Malarial Parasite test is performed on the blood sample to find out the level of Malaria Parasite in the blood.
3. It is conducted to conclude on Malaria and also during the treatment and after the treatment of Malaria.
4. Most people will have symptoms within 14 days of being bitten by an infected mosquito. But symptoms can show up as soon as seven days afterward or can take as long as a year to appear.
5. Clinical decision should not be based on the results of this test, but should be made by the physician after all clinical and laboratory findings have been evaluated.



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Barcode No : HX341930

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HEMATOLOGY REPORT**Fever Package- Essential****Malaria Antigen, Rapid Card**

Plasmodium Vivax Method : Immunochromatographic Assay	Negative	-	Negative
Plasmodium falciparum Method : Immunochromatographic Assay	Negative	-	Negative

Interpretation:

Immunochromatographic Assay done for Plasmodium falciparum using Histidine-Rich Protein-II (HRP-II) and Plasmodium species (Plasmodium falciparum, P. vivax, P. ovale and P. malariae) using lactate dehydrogenase (pLDH) in human whole blood.

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Patient Name : Mr Honey Kumar
DOB/Age/Gender : 23 Y/Male
Patient ID / UHID : 5755308/RCL4944274
Referred By : Dr.
Sample Type : Serum
Barcode No : BY960698

Bill Date : Oct 07, 2023, 10:19 AM
Sample Collected : Oct 07, 2023, 12:33 PM
Sample Received : Oct 07, 2023, 04:38 PM
Report Date : Oct 07, 2023, 05:21 PM
Report Status : Final Report



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BIOCHEMISTRY REPORT**Fever Package- Essential****SGOT / AST**

SGOT/AST	106.6	U/L	5 - 34
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Method : Enzymatic NADH (without P5P)

Interpretation:

Serum AST is used for differential diagnosis of diseases of hepatobiliary system and pancreas. Increased values are seen in liver diseases like acute viral hepatitis, cirrhosis, biliary obstruction, primary or metastatic cancer, granuloma, hepatic ischaemia.

BIOCHEMISTRY REPORT**Fever Package- Essential****SGPT / ALT**

SGPT/ALT	205.6	U/L	< 45
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Method : Enzymatic NADH (without P5P)

Interpretation:

Serum ALT is used for differential diagnosis of diseases of hepatobiliary system and pancreas. Increased in alcoholic hepatitis, cirrhosis, hepatocellular carcinoma, chronic hepatitis. Decreased in genito-urinary tract infection, malignancy, pyridoxal phosphate deficiency states (malnutrition, pregnancy, alcoholic liver disease).

Sohini Sengupta

Dr. Sohini Sengupta
MD (CI Biochemistry), DNB,
FNB (Lab Medicine)
Medical Laboratory Director
HOD (Biochemistry & Special Assays)



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Patient Name : Mr Honey Kumar

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 5755308/RCL4944274

Referred By : Dr.

Sample Type : Serum

Barcode No : SI290075

Bill Date : Oct 07, 2023, 10:19 AM

Sample Collected : Oct 07, 2023, 12:33 PM

Sample Received : Oct 07, 2023, 04:38 PM

Report Date : Oct 07, 2023, 06:08 PM

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SEROLOGY AND IMMUNOLOGY REPORT**Fever Package- Essential****WIDAL By Slide Agglutination**

Salmonella typhi O (TO)	< 1:80	Titre	< 1:80
Salmonella typhi H (TH)	< 1:160	Titre	< 1:160
Salmonella paratyphi A(H)	< 1:80	Titre	< 1:80
Salmonella Paratyphi B(H)	< 1:80	Titre	< 1:80

Interpretation:**METHOD**-(Slide Agglutination)

1. Titres >1:80 of "O" antigen & >1:160 of "H" antigen for Salmonella typhi and titres >1:80 of "H" antigen for Salmonella paratyphi A & B are reactive.
2. Rising titres in paired samples taken 7-10 days apart are more significant than a single test.
3. Reactive results indicates ongoing or recent infection by Salmonella spp. and the diagnosis should be confirmed by gold standard test such as Blood culture.
4. The reactivity will vary with stage of the disease with appearance in 1st week to increase in titres till end of 4th week post which it starts decreasing.
5. In TAB vaccinated patients, high titres of H antibody of $\geq 1:160$ to each of Salmonellae is observed. They tend to persist for many months and even years while O antibody shows lower titres and disappears within 6 months.
6. Antibiotic treatment during 1st week before the appearance of antibodies tend to suppress the immune response in the form of no or decreasing antibody levels.
7. False positive results/anamnestic response may be seen in patients with past enteric infection and during unrelated fevers like Malaria, Influenzae etc. in the form of transient rise in H antibody in Widal test.
8. False negative results may be due to processing of sample collected early in the course of disease (1st week) and immunosuppression.
9. Test conducted on serum.

Uses

To diagnose infection due to Salmonella spp. (Enteric fever).

To monitor the progression of disease.

To assess the response to therapy (decreasing titres) in patients being treated for Enteric fever



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Patient Name : Mr Honey Kumar
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 Patient ID / UHID : 5755308/RCL4944274
 Referred By : Dr.
 Sample Type : Spot Urine
 Barcode No : CI787478

Bill Date : Oct 07, 2023, 10:19 AM
 Sample Collected : Oct 07, 2023, 12:33 PM
 Sample Received : Oct 07, 2023, 04:38 PM
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CLINICAL PATHOLOGY REPORT

Fever Package- Essential

Urine Routine and Microscopic Examination

PHYSICAL EXAMINATION

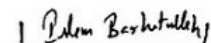
Volume	20	mL	-
Colour	Pale yellow	-	Pale yellow
Transparency	Clear	-	Clear
Deposit	Absent	-	Absent

CHEMICAL EXAMINATION

Reaction (pH) Method : Double Indicator	6.0	-	4.5 - 8.0
Specific Gravity Method : Ion Exchange	1.020	-	1.010 - 1.030
Urine Glucose (sugar) Method : Oxidase / Peroxidase	Negative	-	Negative
Urine Protein (Albumin) Method : Acid / Base Colour Exchange	Negative	-	Negative
Urine Ketones (Acetone) Method : Legal's Test	Negative	-	Negative
Blood Method : Peroxidase Hemoglobin	Negative	-	Negative
Leucocyte esterase Method : Enzymatic Reaction	Negative	-	Negative
Bilirubin Urine Method : Coupling Reaction	Negative	-	Negative
Nitrite Method : Griess Test	Negative	-	Negative
Urobilinogen Method : Ehrlich's Test	Normal	-	Normal

MICROSCOPIC EXAMINATION

Pus Cells (WBCs)	1-2	/hpf	0 - 5
Epithelial Cells	1-2	/hpf	0 - 4
Red blood Cells	Absent	/hpf	Absent
Crystals	Absent	-	Absent
Cast	Absent	-	Absent
Yeast Cells	Absent	-	Absent
Amorphous deposits	Absent	-	Absent
Bacteria	Absent	-	Absent
Protozoa	Absent	-	Absent



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2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
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