

REPORT

Name	: Mr. KRISHNA PAUL	Sample ID	: 24751555
Age/Gender	: 39 Years/Male	Reg. No	: 0312309110008
Referred by	: Dr. SELF	SPP Code	: SPL-STS-554
Referring Customer	: V CARE MEDICAL DIAGNOSTICS -TS	Collected On	: 11-Sep-2023 10:43 AM
Primary Sample	: Whole Blood	Received On	: 11-Sep-2023 10:59 AM
Sample Tested In	: Serum	Reported On	: 11-Sep-2023 05:59 PM
Client Address	: Kimtee Colony ,Gokul Nagar,Tarnaka.	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

VCARE FEVER PROFILE-2

Test Name	Results	Units	Ref. Range	Method
Liver Function Test (LFT)				
Bilirubin(Total)	0.5	mg/dL	0.3-1.2	Diazo
Bilirubin (Direct)	0.1	mg/dL	0.0 - 0.5	Diazo
Bilirubin (Indirect)	0.4	mg/dL	0.2-1.0	Calculated
Aspartate Aminotransferase (AST/SGOT)	54	U/L	5-40	IFCC with out (P-5-P)
Alanine Aminotransferase (ALT/SGPT)	58	U/L	0-55	IFCC with out (P-5-P)
Alkaline Phosphatase(ALP)	98	U/L	40-150	Kinetic PNPP-AMP
Gamma Glutamyl Transpeptidase (GGTP)	129	U/L	15-85	IFCC
Protein - Total	6.7	g/dL	6.4-8.2	Biuret
Albumin	3.9	g/dL	3.4-5.0	Bromocresol purple (BCP)
Globulin	2.8	g/dL	2.0-4.2	Calculated
A:G Ratio	1.39	%	0.8-2.0	Calculated

- **Alanine Aminotransferase(ALT)** is an enzyme found in liver and kidneys cells. ALT helps create energy for liver cells. Damaged liver cells release ALT into the bloodstream, which can elevate ALT levels in the blood.
- **Aspartate Aminotransferase (AST)** is an enzyme in the liver and muscles that helps metabolizes amino acids. Similarly to ALT, elevated AST levels may be a sign of liver damage or liver disease.
- **Alkaline phosphate (ALP)** is an enzyme present in the blood. ALP contributes to numerous vital bodily functions, such as supplying nutrients to the liver, promoting bone growth, and metabolizing fat in the intestines.
- **Gamma-glutamyl Transpeptidase (GGTP)** is an enzyme that occurs primarily in the liver, but it is also present in the kidneys, pancreas, gallbladder, and spleen. Higher than normal concentrations of GGTP in the blood may indicate alcohol-related liver damage. Elevated GGTP levels can also increase the risk of developing certain types of cancer.
- **Bilirubin** is a waste product that forms when the liver breaks down red blood cells. Bilirubin exits the body as bile in stool. High levels of bilirubin can cause jaundice - a condition in which the skin and whites of the eyes turn yellow- and may indicate liver damage.
- **Albumin** is a protein that the liver produces. The liver releases albumin into the bloodstream, where it helps fight infections and transport vitamins, hormones, and enzymes throughout the body. Liver damage can cause abnormally low albumin levels.



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

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Client Address	: Kimtee Colony ,Gokul Nagar,Tarnaka.	Report Status	: Final Report

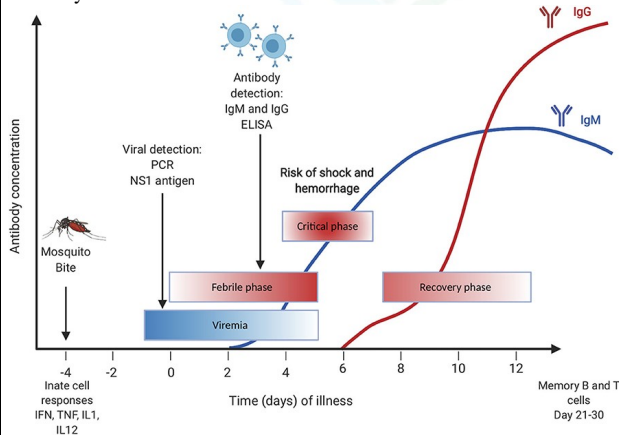
IMMUNOLOGY & SEROLOGY

VCARE FEVER PROFILE-2

Test Name	Results	Units	Ref. Range	Method
Dengue Profile-Elisa				
Dengue IgG Antibody	0.42	S/CO	< 0.8 : Negative 0.8-1.1 : Equivocal ≥ 1.1 : Positive	ELISA
Dengue IgM Antibody	0.26	S/CO	< 0.8 : Negative 0.8-1.1 : Equivocal ≥ 1.1 : Positive	ELISA
Dengue NS1 Antigen	0.32	S/Co	< 0.8~ : Negative 0.8-1.1 : Equivocal > 1.1~ : Positive	ELISA

Interpretation:

Dengue viruses belong to the family Flaviviridae and have 4 subtypes (1-4). Dengue virus is transmitted by the mosquito Aedes aegypti and Aedes albopictus, widely distributed in Tropical and Subtropical areas of the world. Dengue is considered to be the most important arthropod borne viral disease due to the human morbidity and mortality it causes. The disease may be subclinical, self limiting, febrile or may progress to a severe form of Dengue hemorrhagic fever or Dengue shock syndrome.



- Note: 1. Recommended test is NS1 Antigen by ELISA in the first 5 days of fever. After 7-10 days of fever, the recommended test is Dengue fever antibodies IgG & IgM by ELISA
2. Cross reactivity is seen in the Flavivirus group between Dengue virus, Murray Valley encephalitis, Japanese encephalitis, Yellow fever & West Nile viruses

Correlate Clinically.

Result rechecked and verified for abnormal cases

Laboratory is NABL Accredited

*** End Of Report ***



DR. RUTURAJ MANIKLAL KOLHAPURE
MD, MICROBIOLOGIST

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