

Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

NAME : Mr. AARAV
AGE/ GENDER : 18 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01518947
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1644076
REG. NO./LAB NO. : 012410150043
REGISTRATION DATE : 15/Oct/2024 02:18 PM
COLLECTION DATE : 15/Oct/2024 02:27PM
REPORTING DATE : 15/Oct/2024 04:55PM

Test Name	Value	Unit	Biological Reference interval
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IMMUNOPATHOLOGY/SEROLOGY
CHIKUNGUNYA ANTIBODY IgM SCREENING

CHIKUNGUNYA ANTIBODY IgM QUANTITATIVE SERUM	0.07	INDEX VALUE	< 1.00
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by ELISA (ENZYME LINKED IMMUNOASSAY)

INTERPRETATION:

- 1.Chikungunya is an insect borne viral disease belonging to genus ALPHAVIRIDAE transmitted to humans by infected Aedes mosquito.
- 2.It causes fever and severe joint pain. Other symptoms include muscle pain, headache, nausea, fatigue and rash.
- 3.Joint pain is often debilitating and can vary in duration.
- 4.The disease shares some clinical signs with dengue, and can be misdiagnosed in areas where dengue is common.
- 5.There is no cure for the disease. Treatment is focused on relieving the symptoms.

ROUTE OF TRANSMISSION:

- 1.The virus is transmitted from human to human by the bites of infected female mosquitoes.
- 2.Most commonly, the mosquitoes involved are Aedes aegypti and Aedes albopictus, two species which can also transmit other mosquito-borne viruses, including dengue.
- 3.These mosquitoes can be found biting throughout daylight hours, though there may be peaks of activity in the early morning and late afternoon.
- 4.Both species are found biting outdoors, but Ae. aegypti will also readily feed indoors.
- 5.After the bite of an infected mosquito, onset of illness occurs usually between 4 and 8 days but can range from 2 to 12 days.

NOTE:

This is a solid phase immunochromatographic assay for the detection of the Chikungunya specific IgM antibodies in the human serum. The test has a sensitivity of 97.5 % and a specificity of 99.1 %.



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MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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DENGUE FEVER ANTIBODY IgG - ELISA (QUANTITATIVE)

DENGUE ANTIBODY IgG - QUANTITATIVE	0.04	ABSORBANCE	< 0.30
by ELISA (ENZYME LINKED IMMUNOSORBENT ASSAY)			

INTERPRETATION:

DENGUE IgM ELISA	
VALUE	RESULT
NEGATIVE	Less than 0.30 OD (Absorbance)
EQUIVOCAL	0.30 to 0.50 OD (Absorbance)
POSITIVE	More than 0.50 OD (Absorbance)
STRONGLY POSITIVE	More than 1.00 OD (Absorbance)

- 1.Treatment is often indicated prior to completion of serologic diagnosis, which requires at least two weeks.
- 2.Although dengue fever is usually not treated with antibiotics.
- 3.Diagnosis of dengue infection should not be made based on results of the IVD micro well Elisa dengue fever test alone, but in conjunction with other clinical signs and symptoms and other laboratory findings.
- 4.Epidemiologic factors, clinical findings, exposure to endemic regions, and other laboratory results should be considered when making a diagnosis.




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DENGUE FEVER ANTIBODY IgM - ELISA (QUANTITATIVE)

DENGUE ANTIBODY IgM - QUANTITATIVE	0.11	ABSORBANCE	< 0.30
by ELISA (ENZYME LINKED IMMUNOSORBENT ASSAY)			

INTERPRETATION:

DENGUE IgM ELISA	
VALUE	RESULT
NEGATIVE	Less than 0.30 OD (Absorbance)
EQUIVOCAL	0.30 to 0.50 OD (Absorbance)
POSITIVE	More than 0.50 OD (Absorbance)
STRONGLY POSITIVE	More than 1.00 OD (Absorbance)

- 1.Treatment is often indicated prior to completion of serologic diagnosis, which requires at least two weeks.
- 2.Although dengue fever is usually not treated with antibiotics.
- 3.Diagnosis of dengue infection should not be made based on results of the IVD micro well Elisa dengue fever test alone, but in conjunction with other clinical signs and symptoms and other laboratory findings.
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DENGUE FEVER ANTIGEN NS1 - ELISA (QUANTITATIVE)

DENGUE NS1 ANTIGEN QUANTITATIVE by ELISA (ENZYME LINKED IMMUNOSORBENT ASSAY)	20.48 ^H	INDEX	NEGATIVE: < 0.90 BORDERLINE: 0.90 - 1.10 POSITIVE: >=1.10
DENGUE NS1 ANTIGEN RESULT by ELISA (ENZYME LINKED IMMUNOSORBENT ASSAY)	POSITIVE (+ve)		NEGATIVE (-ve)

INTERPRETATION

DENGUE ANTIGEN NS1		
VALUE	UNIT	RESULT
< 0.90	INDEX	NEGATIVE (-ve)
0.90 - 1.10	INDEX	BORDERLINE
>=1.10	INDEX	POSITIVE (+ve)

1.The test becomes positive within 0-9 days of exposure to the virus (positive results are obtained within 24 hours of exposure in the overwhelming majority of patients) and generally remains positive till 15 days after exposure. The Dengue NS-1 antigen test is extremely useful in the early diagnosis of the disease thus helping in proper follow up and monitoring of the patients.
 2.The IgM antibodies on the other hand take a minimum of 5-10 days in primary infection and 4-5 days in secondary infections to test positive and hence are suitable for the diagnosis of dengue fever only when the fever is approximately one week old.

*** End Of Report ***




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