

Dengue IgM Capture ELISA Kit



Technology: The Dengue IgM Capture ELISA Kit is a solid-phase enzyme-linked immunosorbent assay for the qualitative detection of IgM antibody to Dengue in human serum or plasma.



Conjugate: Ready to use



Substrate: Ready to use



Controls: Ready to use positive and negative controls



Assay time: 150 mins (60Mins + 30Mins +30Mins +30Mins)



Breakaway wells: Useful for small workload



Open reagent: Adaptable to all ELISA readers and washers



METHODOLOGY

Serological detection is a common method for the diagnosis of infection with Dengue virus. Anti-dengue virus IgM starts to appear 3 days after initial exposure and remains in circulation for about 30-60 days. The Dengue IgM capture ELISA Kit uses recombinant Dengue virus antigens to specifically detect IgM anti-dengue antibodies.

TEST PROCEDURE

Add 100 µL of diluted N.C. to B1-D1 & P.C to E1-F1 and Test samples from G1	
Cover the plate and incubate for 60 mins at 37°C	
Wash (6 cycle)	
Add 100 µL of dengue antigen solution to each well	
Cover the plate and incubate for 30 mins at 37°C	
Wash (6 cycle)	
Add 100 µL of Conjugate into each well (ready to use)	
Cover the plate and incubate for 30 mins at 37°C	
Wash (6 cycle)	
Add 100 µL Substrate	
Incubate in dark for 30 mins at RT	
Add 50 µL Stop Solution and read result at 450 nm/620 nm** (in 20mins)	

PRE-ASSAY PREPARATION

Dilute the Dengue IgM Negative Control, Positive Control and test specimens 100 fold with Sample Diluent. (i.e., 5 µL control or specimen + 500 µL Sample Diluent).

VALIDATION CRITERIA

$$NC \bar{x} \leq 0.33$$

$$PC \bar{x} \geq 1$$

DATA INTERPRETATION

Cut-Off Formula: $NC \bar{x} + 0.300$

Samples with an absorbance equal to or greater than the cut-off value are considered as Reactive.

PERFORMANCE CHARACTERISTICS

Specificity: $\geq 100\%$

Sensitivity: $\geq 100\%$

ORDERING INFORMATION

Product Code	Name of Product	Pack size	Storage	Shelf Life
30201432	Dengue IgM Capture ELISA Kit	96 Tests	2-8°C	18 months



IVD

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

corporate@trivitron.com | www.trivitron.com

Customer Care Helpline: +91 98400 80008



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