

# Vector Borne Transmission Detection

Mosquito borne diseases including Dengue, Chikungunya and Malaria are difficult to diagnose in early stages because of the initial similar symptoms they possess including Fever & Headache, being the most prominent.

Since, the line of treatment, preventive measures and drugs vary for different infections, if the key differences are not detected and treated on time, the diseases could prove fatal. Thus, a rapid and accurate detection of patient specimens using in-vitro RT-PCR based diagnostic kits add value to the clinical and public health importance.



## Para2-Q Real Time PCR Kit

- Identification & differentiation of various vector borne transmission diseases
- Pathogens covered: Dengue, Chikungunya, Zika, Y. Fever, W. Nile & J. Encephalitis; along with parallel detection of Endogenous control
- Aids in clinical diagnosis in combination with Clinical and Epidemiological risk factors

### *Tropical Diseases Fever Panel*

## Malaria-Q Real Time PCR Kit

- Detection of malarial parasite specific replication factor C gene
- Target pathogens: Plasmodium knowlesi, Plasmodium vivax, Plasmodium falciparum, Plasmodium ovale, Plasmodium malariae

## Chikungunya-Q Real Time PCR Kit

Detection of Chikungunya virus specific Capsid gene

## Zika-Q Real Time PCR Kit

- Multiplex real-time PCR kit with specific primers and fluorescent probes targeting genes of ZIKA Virus
- One step detection using RNA as template, thus rapid and extremely accurate

## Dengue-Q Real Time PCR Kit

- Designed for diagnosis of dengue virus in clinical samples
- Coverage of 4 DENV serotypes DENV 1, 2, 3, 4 along with Internal control labeled with fluorescent dyes FAM, Hex, ROX, Cy5
- Targets covered:
  - DENV1-subgenomic flavivirus RNA (sfRNA1)
  - DENV2, 3, 4- subgenomic flavivirus RNA (sfRNA2)

## Sample Source

Blood/ Serum/ Plasma



## Specifications

- Targeted Design : Qualitative detection using highly specific targets
- Cross Reactivity : Minimizing non specific reactions & prevents false negatives
- High Accessibility : Compatible with various Real Time-PCR instruments
- Samples to Result in <60 Minutes

### J. Encephalitis-Q Real Time PCR Kit

- Detection of Japanese encephalitis in cerebrospinal fluid (CSF) & serum specimens from patients
- Target covered: Polyprotein gene

### W. Nile-Q Real Time PCR Kit

- Detection of West Nile Virus (WNV) specific RNA in clinical samples
- Target covered: Polyprotein gene

### Y. Fever-Q Real Time PCR Kit

Detection of Yellow Fever Virus specific RNA in patients with signs and symptoms of infection

### Para-Q Multiplex Real Time PCR Kit

- Differential diagnosis in a single test
- Multiplex kit with coverage of targets specific to Dengue, Malaria and Chikungunya along with Internal Control

Commercial Name	Cat No	Compatible Instruments
DENGUE-Q Real Time PCR Kit	G2M705021	Instruments with FAM, ROX, Cy5, HEX/VIC Channels including ABI Prism®7500 & Quantstudio, BioRad CFX96, Roche Lightcycler, Qiagen Rotor-Gene, etc.
Malaria-Q Real Time PCR Kit	G2M706221	
Chikungunya-Q Real Time PCR Kit	G2M705321	
Zika Real Time PCR Kit	G2M262621	
Y. Fever-Q Real Time PCR Kit	G2M801821	
J.encephalitis -Q Real Time PCR Kit	G2M802021	
W. Nile-Q Real Time PCR Kit	G2M802321	
Para-Q Multiplex Real Time PCR Kit	G2M706121	
Para2-Q Real Time PCR Kit	G2M801521	



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