

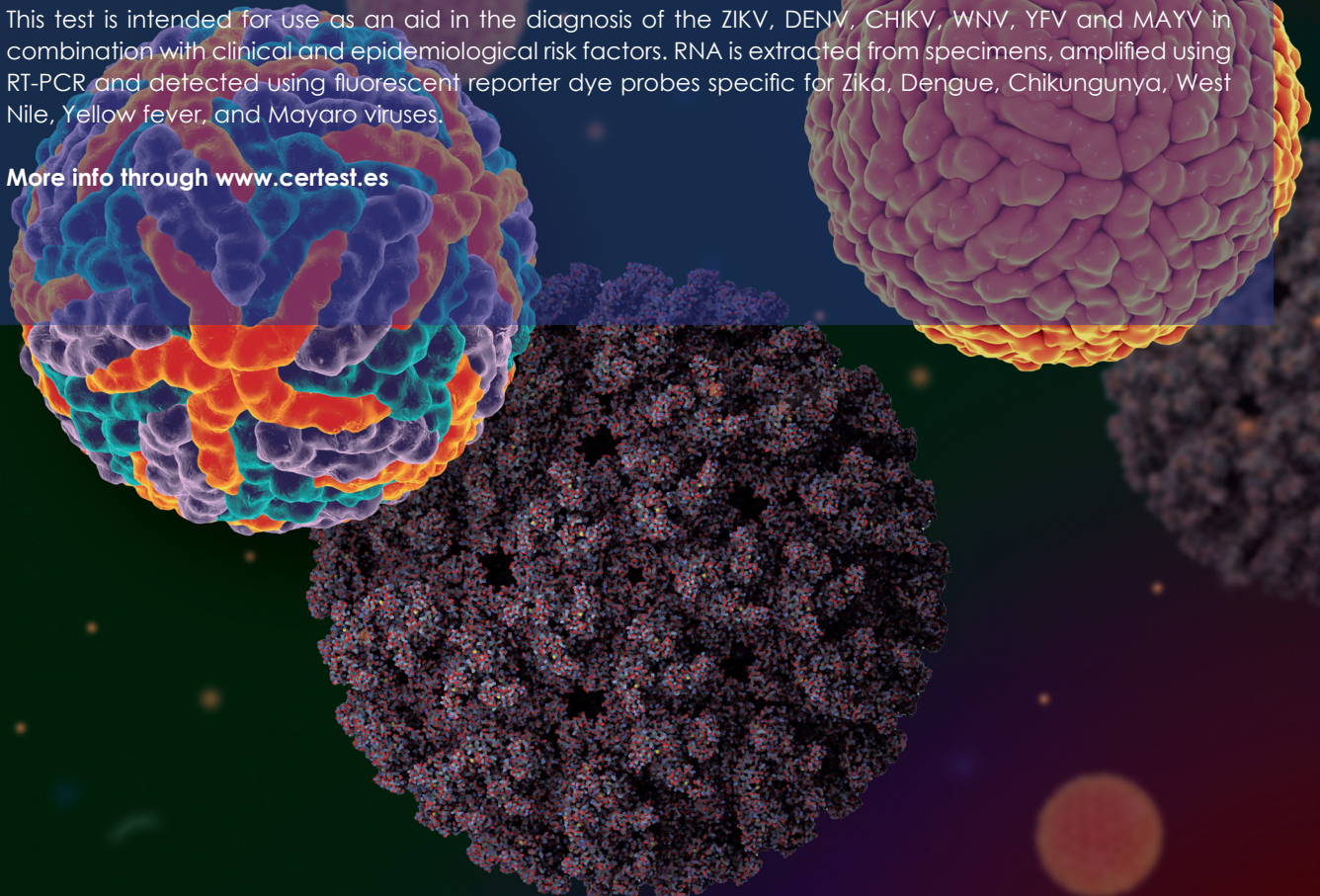
## VIASURE Tropical Panel I Real Time PCR Detection Kit

- **Zika (ZIKV), Dengue (DENV) and Chikungunya (CHIKV)** are arthropod-borne viruses (arboviruses) that share mosquitos of the *Aedes* genus as common vector, specifically *A. aegypti* and *A. albopictus*. These arboviruses cause similar clinical presentations, especially in the initial stages of infection (fever, headache, skin rash, muscle and joint pain, and gastrointestinal symptoms).
- **West Nile virus (WNV)** is considered the most important causative zoonotic pathogen of viral encephalitis worldwide. WNV belongs to the genus *Flavivirus* and is a member of the Japanese encephalitis serogroup. In nature, there is an enzootic transmission cycle of WNV between birds (hosts) and mosquitoes (bridge vectors) of the genus *Culex* (mainly *Cx. pipiens*, *Cx. perexiguus* and *Cx. modestus*) and *Aedes*. But this virus can infect other vertebrates and humans.
- **Yellow fever virus (YFV)** is an RNA virus that belongs to the *Flaviviridae* family. The “yellow” in the name refers to the jaundice caused by liver involvement that affects some patients. Yellow fever is an acute viral haemorrhagic zoonotic disease transmitted between humans and from monkeys to humans by mosquitoes, primarily by *Aedes (aegypti)* and *Haemagogus*.
- **Mayaro virus (MAYV)** is an enveloped, single-stranded positive RNA virus which belongs to the genus *Alphavirus*, family *Togaviridae*. Its transmission cycle is thought to occur mainly through mosquito vectors, especially those of genus *Haemagogus*, but *Aedes* spp. mosquitoes may also be competent vectors. These vectors transmit the virus to primates and birds and sometimes to humans.

**VIASURE Tropical Panel I Real Time PCR Detection Kit** is designed for the specific and differentiation of Zika (ZIKV), Dengue (DENV), Chikungunya (CHIKV), West Nile (WNV), Yellow fever (YFV) and/or Mayaro (MAYV) viruses in clinical samples from patients with signs and symptoms of Zika, Dengue, Chikungunya, West Nile, Yellow fever and/or Mayaro viruses infection.

This test is intended for use as an aid in the diagnosis of the ZIKV, DENV, CHIKV, WNV, YFV and MAYV in combination with clinical and epidemiological risk factors. RNA is extracted from specimens, amplified using RT-PCR and detected using fluorescent reporter dye probes specific for Zika, Dengue, Chikungunya, West Nile, Yellow fever, and Mayaro viruses.

More info through [www.cerfest.es](http://www.cerfest.es)



VIASURE Tropical Panel I Real Time PCR Detection Kit

VIASURE Tropical Panel I Real Time PCR Detection Kit is designed for the identification and differentiation of multiple pathogens in clinical samples:

- Zika, Dengue & Chikungunya
- West Nile Virus
- Yellow Fever
- Mayaro Virus



Analytical sensitivity

VIASURE Tropical Panel I Real Time PCR Detection Kit has a detection limit of ≥10 RNA copies per reaction for Zika, Dengue, Chikungunya, West Nile, Yellow fever and/or Mayaro.

The specificity of the Zika, Dengue, Chikungunya, West Nile, Yellow fever and/or Mayaro viruses assays were confirmed by testing a panel consisting of different microorganisms representing the most common arbovirus. No cross-reactivity was detected between any of the following microorganisms tested, except the targeted pathogens of each assay.

References:

VIASURE Tropical Panel I Real Time PCR Detection Kit 12 x 8-well strips, low profile	VS-TP0112H
VIASURE Tropical Panel I Real Time PCR Detection Kit 12 x 8-well strips, high profile	VS-TP0112H

For more information and use procedure, read the instructions for use included in this product.

CerTest  
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