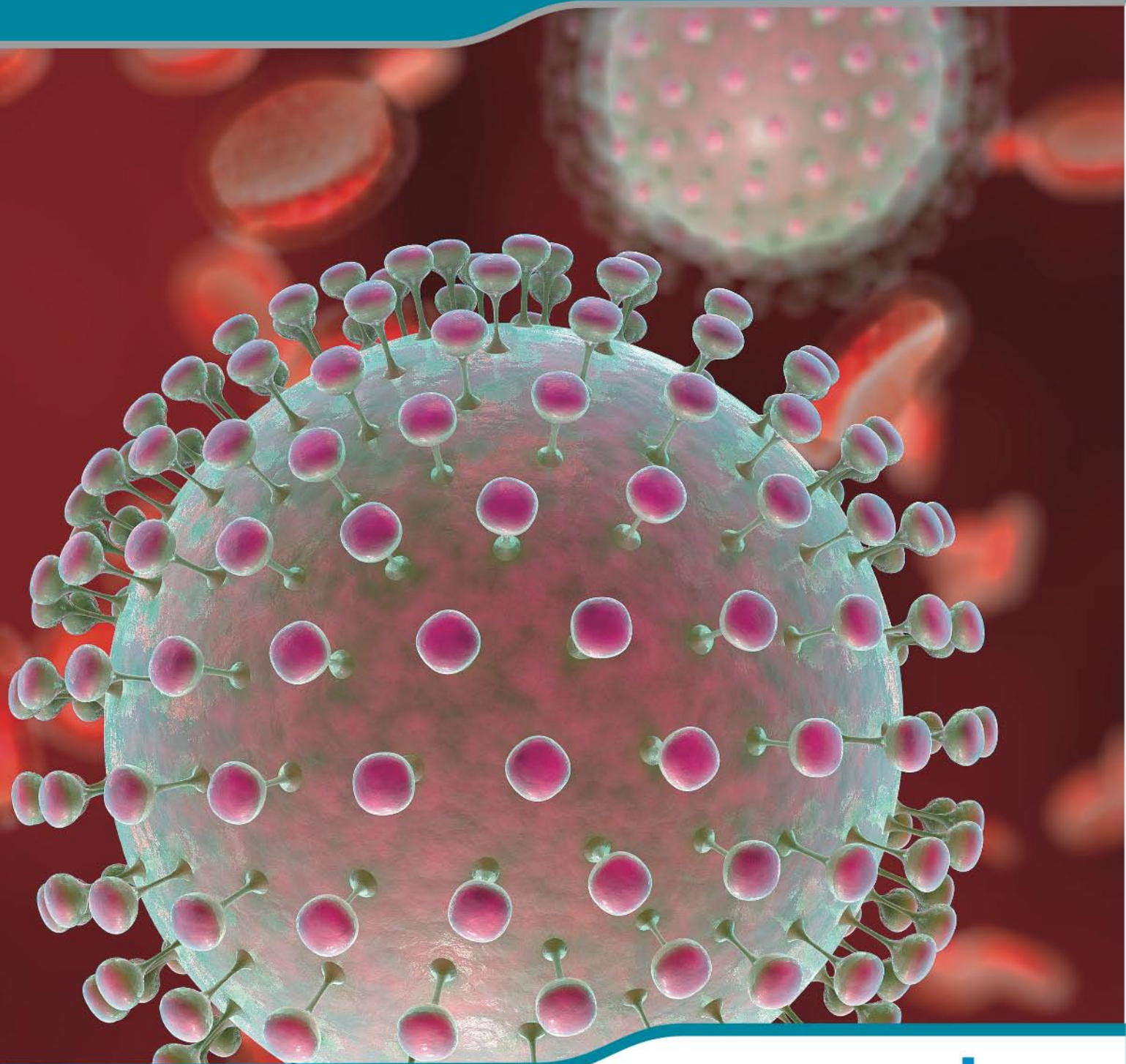


MOSQUITO-BORNE VIRUSES

ZIKA, Dengue, Chikungunya & West Nile virus



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MOSQUITO-BORNE VIRUSES

The Mosquito Borne viruses - transmitted by the "tiger" mosquito - has become the biggest new viral challenge across the Globe in recent years. These diseases experienced unprecedented expansion from limited endemic areas to all around the world, especially in the Americas due to the tropical climate, the presence of the mosquito vector, intensive human migration and increasing worldwide tourism.

- **Chikungunya Virus**

An alphavirus in the same family with Eastern and Western Equine Encephalitis viruses

- **Dengue Virus**

A flavivirus, is the same family with numerous pathogens including Yellow Fever, Japanese Encephalitis, St. Louis Encephalitis, Tick Borne Encephalitis, West Nile and Zika Virus

- **ZIKA Virus**

A flavivirus that is often misdiagnosed as dengue or chikungunya

- **West Nile Virus**

A flavivirus with 80% of cases showing no symptoms, though in 20% of cases developing West Nile Fever (WNF)



The illness caused by these four diseases has very similar/overlapping clinical presentation with prominent fever, headache, rash, muscle & joint aches. The great concern about **ZIKA** has been the possible association with severe neurological disorders in fetuses of woman infected while pregnant. There has been a marked increase in cases of **microcephaly** in the areas of the **ZIKA** infection occurrence

There are no vaccines for any of these illnesses.

Thus, accurate and timely diagnostics allows the patient to have the fastest supportive care and prevents wider spreading of the diseases. ZIKA virus testing in the prenatal field has become of utmost importance.

DIA.PRO provides the full range of immunoassays for ZIKA Virus, Dengue, Chikungunya and West Nile virus diagnostics:

- **ZIKA Virus** ZIKVG.CE - ELISA assay for determination of ZIKA virus IgG
 ZIKVM.CE - ELISA assay for determination of ZIKA virus IgM

- **Dengue** DENG.CE - ELISA assay for determination of Dengue virus IgG
 DENM.CE - ELISA assay for determination of Dengue virus IgM

- **Chikungunya** CHIKVG.CE - ELISA assay for determination of Chikungunya virus IgG
 CHIKVM.CE - ELISA assay for determination of Chikungunya virus IgM

- **West Nile Virus** WNAB.CE - ELISA assay for determination of West Nile virus total antibodies

A combination of exceptional sensitivity, specificity and convenient standard procedure characterizes the products.

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