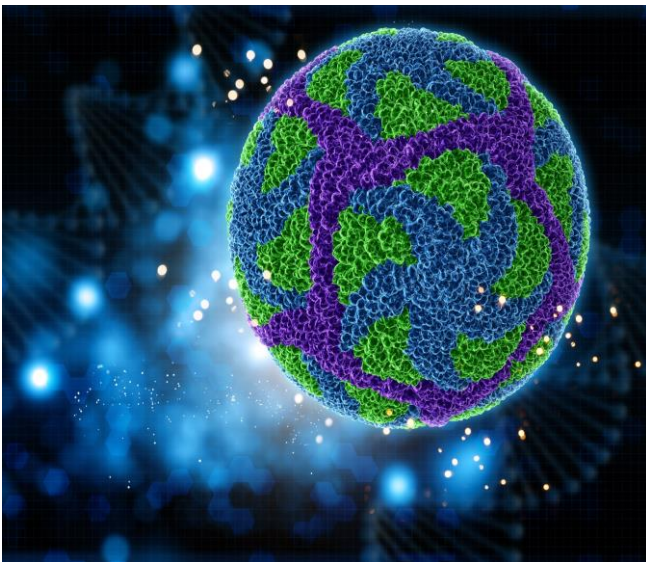


# IP MARKETPLACE

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## PRIMERS FOR DETECTION OF ZIKA VIRUSES USING SINGLE-TUBE REVERSE TRANSCRIPTION LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (RT-LAMP)



### ▶ MORE INFORMATION

#### MEGA-TREND

- Healthcare

#### TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4 (Lab Prototype - Lab Testing)

#### PATENT/ GRANTED NUMBER

- PI 2020004241

### ▶ TECHNOLOGY OVERVIEW

The present invention discloses a single-tube reverse transcription loop-mediated isothermal amplification (RT-LAMP) assay for early and rapid detection of Zika virus (ZIKV) infection. The single-tube RT-LAMP assay disclosed according to the present invention comprises of a combination of 6 primer sequences or 6 nucleotide fragments represented by sequences (SEQ ID NO: 1) to (SEQ ID NO: 6) for isothermal detection of ZIKV RNA. In another embodiment, the single-tube RTLAMP assay developed in the present

invention is specific and sensitive for broad coverage detection of both the Asian and African ZIKV strains. The RT-LAMP assay can greatly enhance diagnosis of Zika in rural clinics and healthcare facilities where resources are limited.

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## CONTACT US!

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