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DETECTION, SEROTYPING AND QUANTIFICATION OF DENGUE VIRUS



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MEGA-TREND

- Healthcare

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3

PATENT/ GRANTED NUMBER

- MY-158586-A

▶ TECHNOLOGY OVERVIEW

The present invention relates to a qualitative and quantitative method for detecting and serotyping dengue virus that includes serotype-specific primers and a fluorescent material for use in reverse transcriptase-polymerase chain reaction (RT-PCR). Accordingly, the present invention provides specific primers which amplify with the target genomic region that encodes viral RNA polymerase for all or every subtype (1-4) of dengue virus, and at the same time permitting hybridization of the fluorescent material to any of the amplification products of the target sequence DNA to specifically

detect and identify the presence of dengue virus serotype 1, 2, 3, and 4 in a biological sample. The invention also relates to a diagnostic kit for carrying out the inventive method.

CONTACT US!

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