

Multiplex real time RT-PCR for Dengue and Chikungunya viruses

Salient Features of the Technology:-

- A single - step multiplex real-time DENV/CHIKVq RT-PCR assay provides rapid early diagnosis that differentiates between Dengue virus (DENV) and Chikungunya virus (CHIKV) and can detect co-infections.
- It detects and quantifies all four types of serotypes of DENV and CHIKV.
- Steps involved are extraction and amplification of viral RNA using virus specific probes labeled with fluorescent dyes.
- Assay offers better sensitivity and specificity as compared with conventional RT-PCR .
- The assay does not show any cross-reactivity.
- It helps in estimation of viral load for assessment of efficacy of treatment with antivirals.