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TRIPLEX PCR (QUALITATIVE)

Synonym(s): Triplex, DENV, Dengue, Chikungunya, Zika, ZKV

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Lab Section Category	Molecular Diagnostics - Microbiology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	To assist in the diagnosis of Dengue, Zika and Chikungunya virus infections.

Specimen Required	<p>(a) Blood. 5 ml of blood in plain blood tube (yellow top) or EDTA (lavender top) tube.</p> <p>This is the preferred sample type if collected within the first 5 days of illness.</p> <p>(b) Urine. Collect the first 15 - 20 mL of voided urine in a plastic, preservative-free sterile container.</p> <p>For patients presenting after day 5 of illness, viral RNA may no longer be detectable in plasma/serum but may still be detectable in urine samples. Please note test runs on urine samples will be chargeable as separate test order requests. For Zika virus PCR testing on all pregnant women, we recommend testing on both blood and urine samples regardless of the day of illness or exposure.</p> <p>This assay has also been validated on amniotic fluid and CSF samples; please discuss with Microbiologist. Please note that other sample types have not been validated on this new assay and will generally be rejected.</p>
Storage and Transport	Refrigerate sample at 2-8°C until transfer to laboratory. Do not freeze. Send sample at 2 - 8°C. Sample should reach the laboratory as soon as possible preferably within 24 hours after collection.
Method	Multiplex Real-time PCR using Fast Track Diagnostics (FTD) Zika/Dengue/Chik for the detection of viral nucleic acid as an aid to the diagnosis of infections with dengue virus (serotypes 1-4), Zika virus and chikungunya virus.
Test Result	Detected, Not Detected or Inconclusive

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