Trioplex rRT-PCR

Test Description	Qualitative detection and differentiation of Zika virus, Dengue virus, and Chikungunya virus RNA in human sera or cerebrospinal fluid (CSF); qualitative detection of Zika virus RNA in human urine or amniotic fluid
Test Use	To aid in the diagnosis of recent Zika, Dengue, or Chikungunya virus infection.
Test Department	Virology Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	Real-time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR)
Availability	Daily, Monday-Friday
Specimen Requirements	• **Serum (0.5-1.0 mL) and urine are the preferred diagnostic specimens, submitted together** • CSF and amniotic fluid will be tested **only** if accompanied by a patient-matched serum specimen.
Collection Kit/Container	Category B shipping box with cold pack To obtain collection kit, refer to Collection Kit Ordering Information.
Collection Instructions	• Collect blood by standard venipuncture up to 14 days after symptom onset. Tube must be centrifuged and serum decanted prior to shipment. • Collect urine in a sterile container up to 14 days after symptom onset.
Specimen Handling & Transport	Specimens can be stored at 2-8°C for up to 72 hours after collection. If a delay is expected, store at -70°C or lower. Transport specimens on dry ice (preferably) or with an ice pack coolant.
Unacceptable Conditions	Insufficient specimen volume (minimum required volume of serum is 0.5 ml) Unlabeled specimen Specimens that have leaked or containers that have broken in transit Specimens not collected or handled as described above Specimens not meeting the established CDC testing criteria
Requisition Form	Zika Virus Clinical Test Requisition https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/laboratory/labhome/lab-pdf-files/Clinical-Tests/Zika-SHTG-2017-10-05-Post-0118.pdf?la=en
Required Information	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, date of birth, town of residence (city, state, zip) Specimen type or source, date of collection, test requested Please ensure patient name on requisition matches that on the specimen.
Limitations	Zika testing of clinical specimens for viral RNA by RT-PCR and IgM antibodies by ELISA will continue to be offered at the SPHL **only** for patients who meet specific clinical and exposure criteria as defined at https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/infectious_diseases/ZikaVirus/dph_zika_virus_testing_protocol.pdf?la=en
Additional Comments	For pregnant women, current Zika virus testing guidelines recommend PCR on serum and urine and IgM on serum, all done concurrently on specimens collected within 12 weeks of potential exposure. For infants, guidelines recommend PCR testing of urine and serum collected within 2 days of birth.

Revision: 02/22/2019