Zika Virus IgM

Test Description	Serological assay for the qualitative detection of Zika virus IgM antibodies in human sera
Test Use	Presumptive clinical laboratory diagnosis of infection in patients with clinical signs and symptoms consistent with Zika virus infection, and/or CDC Zika virus epidemiological criteria
Test Department	Virology Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	IgM antibody enzyme-linked capture immunoassay
Availability	Daily, Monday-Friday
Specimen Requirements	Serum, 0.5-1.0 mL, collected $\geq$ 4 days after symptom onset; and up to 12 weeks after travel to a Zika endemic region or following symptom onset
Collection Kit/Container	Serum separator tube. To obtain collection kit, refer to Collection Kit Ordering Information.
Collection Instructions	Collect blood by standard venipuncture and allow it to clot at room temperature for 30-60 minutes. To avoid hemolysis, tube should be centrifuged and serum decanted (within 8 hours) prior to shipment.
Specimen Handling & Transport	Specimens can be stored at 2-8°C for up to 2 days after collection. If a delay of >2 days is expected, store specimens at -20°C or lower Transport 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	Assay performance characteristics have not been established for testing children under 5 years of age This test may cross-react with the following organisms/disease and may produce false positive results: Dengue, West Nile Virus, Yellow Fever Virus, Chikungunya, Babesia, Lyme disease and Malaria 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	Samples found to be presumptively positive for anti-Zika virus or other flavivirus IgM are sent to the CDC for PRNT analysis 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.