

Zika MAC-ELISA

Test Description	Serological assay for the presumptive detection of IgM antibodies to Zika virus in persons meeting the Centers for Disease Control and Prevention (CDC) clinical and/or epidemiological criteria for Zika virus testing
Test Use	To aid in the diagnosis of recent Zika virus infection
Test Department	Virology Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	IgM antibody capture enzyme-linked immunosorbent assay (MAC-ELISA)
Availability	Daily, Monday-Friday
Specimen Requirements	<ul style="list-style-type: none"> • Serum, 0.5-1.0 mL, collected \geq 4 days after symptom onset; or, for asymptomatic pregnant women, 2-12 weeks after travel to a Zika endemic region • Cerebrospinal Fluid (must be submitted with a patient-matched serum specimen)
Collection Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection Instructions	<ul style="list-style-type: none"> • Collect blood by standard venipuncture. To avoid hemolysis, tube should be centrifuged and serum decanted prior to shipment. • Transport specimens using cold-packs
Specimen Handling & Transport	Specimens can be stored at 2-8°C for up to 72 hours after collection. If a delay is expected, store specimens at -70°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 Improperly collected or transported specimens Specimens not meeting the established CDC testing criteria
Requisition Form	Clinical test requisition (in the Test, Agent or Disease Not Listed (Specify): box, write Zika Virus)
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	Testing requires prior approval of Epidemiology and Emerging Infections, (860) 509-7994.
Additional Comments	Specimens will be accepted from symptomatic or asymptomatic patients who meet clinical and travel criteria AND are pre-approved for testing by the State Department of Public Health. Specimens received without prior approval will not be tested. To obtain approval for testing, providers must complete and fax the Zika Virus Report Form to 860-509-7910. The form is available at http://www.ct.gov/dph/cwp/view.asp?a=3136&Q=575880 . The provider will be notified by telephone within 1 business day if a specimen may be submitted.