



Detection of Zika Virus in Human Specimens by rtRT-PCR assay

Laboratory Submission Information Sheet

Reporting of suspect case to Maine CDC	<ul style="list-style-type: none"> • Yes: Zika Virus is a Notifiable Condition. If you have not already done so, please report suspect or confirmed cases to the Maine CDC via the disease reporting line: 1-800-821-5821 (24hrs/day 7days/week.)
Required To Submit Laboratory Specimen	<ul style="list-style-type: none"> • NO, Submission of samples of suspect cases is recommended. • HETL Requisition AND Arbovirus submission form IS REQUIRED to perform Zika Virus PCR testing as travel history within 30 days prior to symptom onset is pertinent information • Travel to an area with risk of Zika virus or unprotected sex with someone who lives or recently traveled to an area with risk of Zika.
Required Information	<ul style="list-style-type: none"> • Information on requisition must include: suspected organism, patient name, DOB, date of collection, specimen source or type, submitter name and contact information. • Important: all specimens must be labeled with patient name and be accompanied by a HETL requisition AND Arboviral submission form. Pregnancy status must be noted if applicable.
Specimen Requirements	<ul style="list-style-type: none"> • Required: Collect a minimum of 1.0 mL serum into a GOLD or TIGER top serum separator vacutainer tube. CSF may also be submitted, minimum of 1.0 mL collected in sterile tube. • Recommended: If within 14 days of symptom onset or return from travel to area of ongoing Zika virus transmission - Minimum 0.5 - 1 mL urine into a sterile leak-proof tube.
Collection Instructions	<ul style="list-style-type: none"> • Serum: Collect acute specimen ≤ 7 days after onset of symptoms. • Serum must be centrifuged and immediately stored at 2-8°C within 6 hours of collection. For short term storage all samples must be kept at 2-8°C. For long term storage all samples must be frozen at -20°C or colder. Samples must be shipped cold; on dry ice if already frozen.
Turn Around Time	<ul style="list-style-type: none"> • Results should be expected within 24-48hrs from business days of specimen receipt. • Specimens from asymptomatic pregnant women, will be forwarded to Federal CDC or Massachusetts Public Health Laboratory for IgM ELISA and PRNT testing.
Unacceptable Conditions	<ul style="list-style-type: none"> • HETL: Specimens received without a form and clinical details or with insufficient material to analyze. Sample diluted in Viral Transport Media (VTM), specimen not refrigerated or not frozen, incorrect specimen type. Whole blood will not be accepted.
Results	<ul style="list-style-type: none"> • Zika virus RNA DETECTED. Zika virus RNA NOT Detected. Zika virus Equivocal. • All results will be reported only to submitter as stated on requisition via mail or fax. • Specimens deemed equivocal by PCR will be forwarded to Federal CDC for further testing.
Laboratory Testing Fee	<ul style="list-style-type: none"> • \$110 for rtReal Time PCR. • There is no charge for specimens forwarded to Federal CDC or Massachusetts PHL. Samples MUST meet travel/symptom criteria in order to be referred for further testing.
Applicable CPT Codes	<ul style="list-style-type: none"> • 87798
Additional Information	<ul style="list-style-type: none"> • Bacteriology at 207-287-1704, Virology, Respiratory, Arbovirus, and Serology at 207-287-1722 • Molecular Biology, Sequencing, and Foodborne at 207-287-5769 • Mycobacterium and Rabies at 207-287-1706 • CT/GC at 207-287-6244