

Louisiana Office of Public Health Laboratories	
Test Name	Ebola Virus Real-time RT-PCR
PHL Location	Office of Public Health Laboratory Baton Rouge
CPT Code	87798 x 2
Synonyms	Ebola
Brief Description of Test	<p>Prior authorization required. Contact Infectious Disease Epidemiology at 800-256-2748.</p> <p>This assay tests for the presence of Ebola virus. Two Ebola assays are performed (NP and VP40). It is the combination of results of these two assays that generates a reportable result.</p>
Possible Results	<p>Positive (Both assays yield positive results)</p> <p>Equivocal (One of the two assays yield a positive result)</p> <p>Negative (Both assays are negative)</p>
Reference Range	Negative
Specimen Type	<p>Whole blood, Serum, Plasma and Urine</p> <p>Note: Urine should not be the sole specimen tested from a patient. If a urine specimen from a patient is tested, it should be tested alongside a blood specimen (whole blood, serum or plasma) from the patient.</p>
Specimen Container(s):	<p>Blood Serum Collection Tube</p> <p>Screw-cap tube for pour-off or Urine transport</p> <p>EDTA blood collection tube</p>
Minimum volume accepted:	1mL
Collection Instructions	<p>Specimens should only be collected by personnel that have been properly trained. Care should be taken during specimen collection and handling to avoid generation of aerosols.</p> <p>See CDC Guidance for Collection, Transport and Submission of Specimens for Ebola Virus Testing http://www.cdc.gov/vhf/ebola/healthcare-us/laboratories/specimens.html</p> <p>Label specimen with Patient Name and a 2nd unique identifier such as a chart number or medical record number. DOB is not considered unique.</p> <p>Complete a Lab Form 96 to accompany the sample(s). Each specimen must have a separate lab submission form. Lab submission forms must be thoroughly completed with patient's first and last name, 2nd patient identifier, gender, date of birth, date of collection, time of collection, onset date, test requested (Ebola), and submitter's name, address, and contact number. Include date of symptom onset, date of exposure or date return from travel.</p>

	<p>The same two unique identifiers MUST be recorded on the tube AND the Lab 96 form.</p> <p>Transport specimen to laboratory as soon as possible after collection. Keep submission forms insulated from specimens.</p>
Storage and Transport Instructions	<p>Whole blood can be stored for up to 7 days at 2-8°C prior to extraction.</p> <p>Serum, plasma and urine may be frozen if a delay in extraction is anticipated. Specimens should be frozen at $\leq -70^{\circ}\text{C}$, if available. If serum specimen is to be frozen, do not freeze in original blood serum collection tube. Pour-off serum into a screw cap tube.</p> <p>Frozen specimens should be shipped on dry ice. Document on the lab form the date and time specimen was frozen.</p>
Causes for Rejection	<ul style="list-style-type: none"> • Unspun • Short Draw/Overfill • Received outside acceptable transport conditions • Incorrect source • Incorrect labeling • Expired collection tubes • Not approved for testing by Infectious Disease Epidemiology
Limitations of the Procedure	<p>This assay was approved via an Emergency Use Authorization.</p>
Interfering Substances	<p>N/A</p>
References	<p>Ebola Virus NP Real-Time RT-PCR Assay Ebola Virus VP40 Real-Time RT-PCR Assay</p>
Additional Information	<p>Information about each listed assay, including Fact Sheets, Instructions for Use and the FDA Letters of Authorization, may be found on FDA’s website: http://www.fda.gov/MedicalDevices/Safety/EmergencySituations/ucm161496.htm</p>
Release Date	<p>06/09/2018</p>

Warning: If you have printed a copy of this information please be advised that the Louisiana Office of Public Health Laboratories website and methods are updated on a regular basis. Please check the on-line version of this document to ensure you are relying on the most recent release.