

**Testing of Persons under Investigation for Dengue, Chikungunya or Zika virus**  
**PHLET Laboratory submission information**

**Overview**

This document is intended to provide guidance for health care providers and local and regional health departments with approval to test specimens from a Person under Investigation (PUI) for , dengue, chikungunya and Zika virus. More information can be found at <http://www.texaszika.org/labs.htm>

**Document Details**

- Zika and related virus PCR and ZIKA MAC IgM Serology testing will be performed at the Public Health Laboratory of East Texas by the Biothreat Team. Laboratory specific questions, coordination and updates should be directed to 903-877-5071, or the 24/7 phone 903-312-3537 or by emailing [janine.yost@uthct.edu](mailto:janine.yost@uthct.edu)
- *Before sending any samples for testing,* please call your local health department to coordinate testing. <http://www.dshs.texas.gov/idcu/investigation/conditions/contacts/>
- The patient name and date of birth should be referenced on all communication related to the sample. (Information on submission form and sample must match)
- Samples should be packaged as Category B infectious substance and shipped on cold packs or dry ice as appropriate.
- Testing is available free of charge when pre-approved by local health department.

**Required forms:** The PHLET submission form and DSHS Supplemental form must be completed. Submitter information and DSHS Submitter Number (if available) must be completed. If the hospital is not an existing DSHS submitter and the sample needs to be sent after normal business hours, the hospital can use the submitter number from the local health department. Under tests requested- Choose chikungunya, dengue and Zika virus PCR or Zika Mac IgM serology as appropriate.

**Samples types accepted:**

Serum Aliquot: Please ship a minimum of **3-5 mLs**. Centrifuge sample and separate serum as soon as possible.

Urine Aliquot: For **PCR** only. Please ship a minimum of **1-2 mL**. A serum sample must be submitted in parallel.

Contact the PHLET team regarding testing of other specimen types.

Specimens should be placed in a biohazard bag and stored at 4°C or -20°C as indicated below:

- Specimens that are shipped the same day of collection and will arrive at the lab within 48 hours of collection should be stored at 4°C and should be shipped with cold packs.
- Specimens that will be stored and arrive at the lab more than 48 hours after collection should be stored at -20°C and shipped on dry ice.

## Testing of Persons Under Investigation for Dengue, Chikungunya and ZIKA at PHLET

**Reporting:** PCR Testing will take 6-24 hours from sample receipt. Serology testing will take 2-7 days from sample receipt. Turn-around times are estimates and are dependent on workload at the time of sample receipt. Verbal final results will be given to the local and regional health department via email or phone. The final report could take up to 48 hours to generate. For surveillance samples, results will only be sent to the health department.

- All samples must be accompanied by a PHLET submission form available at: [www.phlet.org](http://www.phlet.org)
- For specimen types and testing criteria, PHLET will follow the DSHS **Chikungunya, Dengue, and Zika PCR and Serology Specimen Criteria**
- All samples must be accompanied by a **DSHS-Chik-Den-Zika-Supplemental Form**.
- Both of these documents are available at: <http://www.texaszika.org/labs.htm>
- The name on the tube should match the name on the form exactly

**PRIOR to shipping:** Contact your local Health Department Service Region to ensure patient meets criteria for testing. <http://www.dshs.state.tx.us/Regions/lhds.shtm>

- Fax copy of submission form to 903-877-5259 Attn: Janine Yost, Microbiology Supervisor or send via secure email to [janine.yost@uthct.edu](mailto:janine.yost@uthct.edu)
  - Include a copy with the specimen

The following must be provided to the laboratory by phone or email:

- Method of delivery
- Estimated time of arrival
- Tracking number for the package or courier phone number

## Testing of Persons Under Investigation for Dengue, Chikungunya and ZIKA at PHLET

### **PCR testing:** (specimens collected <14 days from onset of symptoms)

- Complete the PHLET form for each specimen.
- Check “Chikungunya, Dengue and Zika PCR”

### **Serology testing:** (specimens collected $\geq$ 4 days after onset of symptoms)

- Complete the PHLET form for each specimen
- Check “Zika MAC IgM”

### **Ship to the physical address:**

Public Health Laboratory of East Texas  
Attention: Janine Yost  
11949 US Highway 271N  
Tyler, Texas 75708  
Phone: 903-877-5071

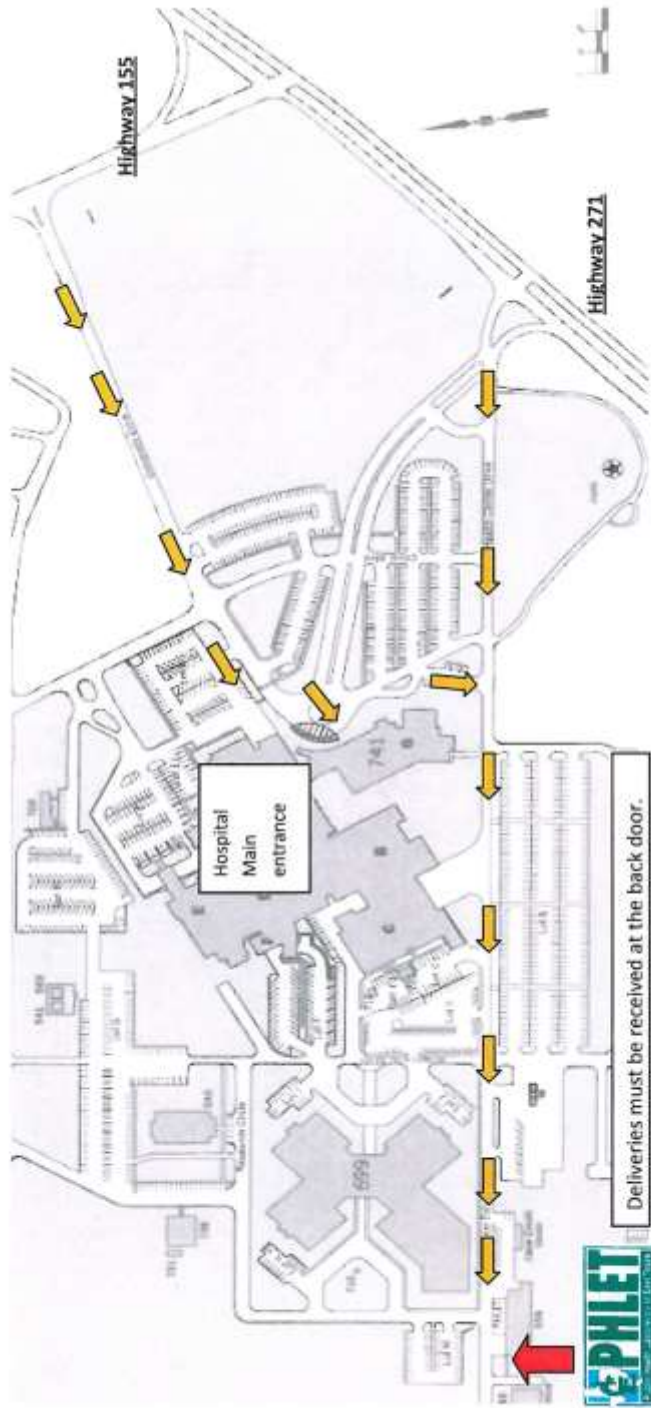
- Email form to: [Janine.yost@uthct.edu](mailto:Janine.yost@uthct.edu) or Fax 903-877-5259
- PHLET Submission forms can be downloaded from [www.phlet.org](http://www.phlet.org)
- Record the shipping tracking number and notify your local health department that a specimen is being shipped.
- A map and driving directions to the PHLET laboratory follows.

For more information regarding these assays consult the fact sheets located at:

<http://www.fda.gov/downloads/MedicalDevices/Safety/EmergencySituations/UCM491588.pdf>

<http://www.fda.gov/downloads/MedicalDevices/Safety/EmergencySituations/UCM498275.pdf>

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## Directions to The PHLET on the UTHSCT Campus: SAMPLE DELIVERIES

**Address: Public Health Laboratory of East Texas, 11937 US highway 271N, Building 558, Tyler, TX 75791**

- 1A-Entering from Highway 271 (Tyler): turn left at the main UTHSCT entrance onto Health Center Drive. Stay on Health Center Drive, through the 4-way stop.
- 1B-Entering from Highway 155: Turn right onto University Drive at the UTHSCT sign. Continue through the campus in front of the Academic Center (large white and glass awning) until you reach Health Center Drive. Turn right on Health Center Drive. Stay on Health Center Drive, through the 4-way stop.
- 2- From the 4 way stop, continue on Health Center Drive, PHLET is the building on the left next to the Credit Union. Deliveries must be received at the back door (large red arrow).