


## Specimen Submission Requirements for the Detection of *Leptospira* IgM Antibody

<b>Methodology:</b>	Enzyme Immunoassay by Dipstick (PanBio, Inc.)
<b>Performed:</b>	The Medical Microbiology Branch of the State Laboratories Division will accept whole blood (in SST tube that has been centrifuged) or serum specimens from Monday through Friday by 3:30 p.m.
<b>Turn-Around-Time:</b>	5 days
<b>Specimen Collection:</b>	One 6 –7 mL SST tube (centrifuged) or a minimum of 1 mL of serum.
<b>Specimen Transport:</b>	Specimens are to be delivered to the Medical Microbiology Branch of the State Laboratories Division at a transport temperature of 2 – 8° C.
<b>Requisition Form:</b>	State Laboratories Division requisition Form 81.3. At a minimum, patient identifier, name and address of submitter, type of specimen (e.g. whole blood, serum), date of collection, date of onset, and test requested must be completed on form.
<b>Normal Value:</b>	Negative
<b>Result Notification:</b>	Laboratory reports will be forwarded to both the submitter and the Disease Investigation Branch (DIB), Disease Outbreak Control Division (DOCD).
<b>Remarks:</b>	Please be sure that completed requisition forms are legible. Requisition forms <u>and</u> specimen tubes are not to be placed in the <u>same</u> chamber of the specimen transport container or bag. <b>All specimens received for <i>Leptospira</i> antibody testing will first be tested by the dipstick test procedure. Only paired serum samples (acute and convalescent) or single serum samples collected fourteen (14) days or more from the date of onset will be submitted to the Kauai District Health Laboratory for the <i>Leptospira</i> Microscopic Agglutination Test (MAT).</b>

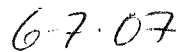
- Unacceptable Conditions:**
- a. Illegible or incomplete requisition forms.
  - b. Unlabeled tubes.
  - c. Chylous specimens (unable to read newsprint through specimen tube).
  - d. Hemolyzed specimens (unable to read newsprint through specimen tube).
  - e. Leaking blood or serum specimens.
  - f. Specimen quantity not sufficient (<1 mL of serum) to perform test.
  - g. Whole blood in collection tube containing an anticoagulant.
  - h. Grossly contaminated with microorganisms.
  - i. Specimens warmer than the required transport temperature.
  - j. Specimens that were previously heat inactivated (56° C).

**Test Location:** State Laboratories Division  
Medical Microbiology Branch  
Bacteriology and Parasitology Section  
Bacterial Serology Unit  
2725 Waimano Home Rd., 2<sup>nd</sup> floor  
Pearl City, Hawaii 96782  
Phone: (808) 453-6706

**Approved:**



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A. Christian Whelen, Ph.D.  
State Laboratories Division Administrator



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Date