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2-21-18

Kauai District Health Laboratory

Specimen Requirements for *Leptospira* Microscopic Agglutination Test (MAT) in Clinical Samples

<u>Test:</u>	<i>Leptospira</i> Microscopic Agglutination Test
<u>Specimen receiving:</u>	Specimens for the <i>Leptospira</i> MAT will be accepted from State Laboratories Division on Oahu ONLY.
<u>Turn around time:</u>	2 weeks
<u>Specimen requirements:</u>	State Laboratories Division on Oahu will perform the <i>Leptospira</i> antibody dipstick test and forward all positive and borderline positives, regardless if single specimen, to KDHL for the MAT. Only negatives that are paired with a positive or borderline positive (usually an S2), and paired serum samples (acute and convalescent) will be submitted.
<u>Specimen collection:</u>	Serum or plasma separated from cells. The optimal amount of specimen is 2.0 mL, the minimum accepted is 200 uL.
<u>Specimen transport:</u>	Specimens should be transported at ambient temperature to the laboratory. They should be securely sealed with parafilm to prevent leakage.
<u>Requisition form:</u>	All specimens must be submitted with the <i>Leptospira</i> MAT Results form and include: <ul style="list-style-type: none">• Patient name and another unique identifier• Date of collection and date of onset• Submitter and Referring Agency names and addresses• State Laboratories Division accession number.
<u>Normal value:</u>	Negative
<u>Result notification:</u>	Final laboratory reports will be forwarded to the referring agency (State Laboratories Division).

Unacceptable conditions:

Criteria for sample rejection include the following:

- Leaking specimens
- Lipemia, hemolysis, or contamination observed
- Inappropriate matrix, e.g., CSF instead of serum
- Illegible or incomplete requisition forms
- Improperly labeled specimens
- Quantity of specimen not sufficient

Test location:

Kauai District Health Laboratory
3040 Umi St.
Lihue, HI 96766

Contact information:

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Approved:



A. Christian Whelen, Ph.D.

Date:

