Kauai District Health Laboratory

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

**Test:**

*Leptospira* Microscopic Agglutination Test

**Specimen receiving:**

Specimens for the *Leptospira* MAT will be accepted from State Laboratories Division on Oahu ONLY.

**Turn around time:**

2 weeks

**Specimen requirements:**

State Laboratories Division on Oahu will perform the *Leptospira* antibody dipstick test and forward all positive and borderline positives, regardless of 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.

**Specimen collection:**

Serum or plasma separated from cells. The optimal amount of specimen is 2.0 mL, the minimum accepted is 200 uL.

**Specimen transport:**

Specimens should be transported at ambient temperature to the laboratory. They should be securely sealed with parafilm to prevent leakage.

**Requisition form:**

All specimens must be submitted with the *Leptospira* MAT Results form and include:

- 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.

**Normal value:**

Negative

**Result notification:**

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
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Lihue, HI 96766

Contact information: Phone: (808) 241-3353
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Approved:

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