



Standard Operating Procedures



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|-----------------|---|-------------------|-----------|
| Name of Policy: | How to Run Canine Leptospira Antibody Test (Lepto Witness Test) | Departments: | Lab |
| Category & No.: | LAB 13.1 | Effective By: | 7/17/2025 |
| Version No.: | 10 | Revision History: | Original |

Purpose: To outline how to properly run the Canine Leptospira Antibody Test to ensure accurate results.

Prerequisite(s): Assistant level 1 or higher and lab trained

Background Information: The Canine Leptospira Antibody Test (Lepto Witness Test) is a simple, efficient, and rapid test used to identify leptospira IgM antibodies as early as one week after infection.

Procedure:

Materials Needed:

- Purple top tube (whole blood)
- Sample kit
 - Saline buffer bottle
 - Test device
 - Self filling capillary pipette

How to Run Test:

- Place test device on flat surface
- Place provided pipette in purple top tube. DO NOT squeeze the bulb. The pipette will fill automatically when placed in the tube.
 - Hold blood tube and pipette at a small angle to allow for filling.

- When the pipette is filled, remove from sample and gently place tip of pipette onto the sample pad. Carefully squeeze the bulb to dispense the sample.
- Add 3 drops of buffer to the test well.
- Wait 10 minutes to read the results

How to Interpret Results:

- The test is valid if a pink/red band is visible in the control window (window 3)
- Positive Results:
 - If one band is present in window 2 and one band is present in window 3
- Negative Results:
 - If there is no band present in window 2 but one band is present in window 3.

References:

Canine Leptospira Antibody Test package insert