Poultry Salmonellosis Test

Cat. No.: DTS476
Pkg. Size:

**Intended use**

CD Poultry Salmonellosis Test is a sandwich lateral flow immunochromatographic assay for the qualitative detection of Salmonella antigen in poultry’s serum.

**Assay Time:** 5 - 10min
**Sample:** serum

**General Description**

Salmonellosis is an infection with Salmonella bacteria. Most people infected with Salmonella develop diarrhea, fever, vomiting, and abdominal cramps 12 to 72 hours after infection. In most cases, the illness lasts four to seven days, and most people recover without treatment. However, in some cases the diarrhea may be so severe that the patient becomes dangerously dehydrated and must be taken to a hospital.

**Principle Of The Test**

CD Poultry Salmonellosis Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window. The testing window has an invisible T (test) zone and C (control) zone. When sample is applied into the sample hole on the device, the liquid will laterally flow on the surface of the test strip. If there is enough Salmonella antigen in the sample, a visible T band will appear. The C band should always appear after a sample is applied, indicating a valid result. By this means, the device can accurately indicate the presence of Salmonella antigen in the sample.

**Reagents And Materials Provided**

1. 10×foil pouches, each containing one cassette, one pipette and a desiccant
2. 10×centrifugal tubes

**Storage**

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the foil pouch. **DO NOT FREEZE.** Do not store the test kit in direct sunlight.

**Assay Procedure**

1. Do centrifugation to poultry’s blood sample to collect serum for use. If serum is too sticky to move, please do a dilution of 1:1 with PBS or distilled water.
2. Take out the cassette from the foil pouch and place it horizontally.
3. Gradually drip 3 drops of serum/plasma into the sample hole “S”.
4. Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.
Interpretation of Results

Positive: The presence of both C band and T band, no matter T band is clear or vague.
Negative: Only clear C band appears.
Invalid: No colored band appears in C zone, no matter whether T band appears.

Precautions

1. For best results, please strictly adhere to these instructions.
2. All reagents must be at room temperature before running the assay.
3. Do not remove test cassette from its pouch until immediately before use.
4. Do not reuse the test kit.
5. Do not use the test beyond its expiration date marked on the foil pouch.
6. The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.

Limitations

All results should be considered with other clinical information available with veterinarian. For an accurate result, we suggest you to choose other method such as PCR for final determination in practice.

REFERENCES