

## Anigen Rapid Toxoplasma Ab Test Kit for Farm Animals

### ■ Principles

**Anigen Rapid Toxoplasma Ab Test Kit for Farm Animals** is a chromatographic immunoassay for the qualitative detection of antibody against *Toxoplasma gondii* in serum, plasma or whole blood from farm animals.

**Anigen Rapid Toxoplasma Ab Test Kit for Farm Animals** has two letters which are test("T") line and control("C") line on the surface of device. Test line and control line in the result window are not visible before applying any samples. The control line is a reference line which indicates the test is performing properly. The control line has to appear every time when the test has performed. If the antibodies to *T.gondii* are present in sample, a purple test line would appear in the result window.

The highly selective recombinant *T.gondii* antigens are used as a capture and detector in the assay. These are capable of detecting antibodies against to *T.gondii* in sample with high accuracy.

### ■ Materials provided (10Tests/Kit)

- 1) Ten(10) Anigen Rapid Toxoplasma Ab Test devices
  - 2) One(1) Assay diluents bottle
  - 3) Ten(10) Disposable capillary tubes (10 $\mu$ l)
  - 4) Ten(10) Anticoagulant tubes
  - 5) One(1) Instructions for use
- ♣ A black line on the capillary tube is the indicator line for 10 $\mu$ l.



### ■ Materials required, but not provided

Timer

### ■ Precautions

- 1) The test kit is for farm animal use only.
- 2) The test device is sensitive to humidity as well as heat. Perform the test immediately after removing the test device from the foil pouch.
- 3) Do not reuse the test components.
- 4) Apply the sample and assay diluents vertically.
- 5) Do not touch the membrane in the result window of test device.
- 6) Do not use the test kit beyond the stated expiration date marked on the package label.
- 7) Do not use the test kit if the pouch is damaged or the seal is broken.
- 8) Do not mix components from different lot numbers.
- 9) All samples should be handled as being potentially infectious. Wear protective gloves while handling samples. Wash hands thoroughly afterwards.
- 10) Decontaminate and dispose of all samples, used kits and potentially contaminated materials safely in accordance with national and local regulations.

### ■ Storage and Stability

- 1) Store the test kit at 2~30°C. **DO NOT FREEZE.**
- 2) Do not store the test kit in the direct sunlight.
- 3) The test kit is stable within the expiration date that marked on the package label.

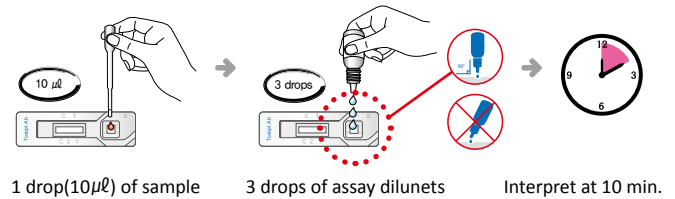
### ■ Collection and Preparation of Sample

- 1) Whole blood, serum, or plasma should be used with this test.
  - [Whole blood]** Collect the whole blood into the anticoagulant tube(Max. vol.1.5ml) provided. If blood samples are not immediately tested, they should be refrigerated at 2~8°C and used within 24 hours.
  - [Serum]** Collect the whole blood into the collection tube (NOT containing anticoagulants such as heparin, EDTA and sodium citrate), leave to settle for 30 minutes for blood coagulation and then centrifuge blood to get supernatant.
  - [Plasma]** Collect the whole blood into the collection tube (containing anticoagulants such as heparin, EDTA and sodium citrate) and then centrifuge blood to get plasma.
- 2) Serum samples should be stored at 2~8°C. For longer storage, freeze the samples at -20°C or below. Avoid repeated freezing and thawing.
- 3) Samples containing precipitate may yield inconsistent test results. They must be clarified prior to assaying.
- 4) Hemolyzed or contaminated samples may give erroneous results.

### ■ Procedure of the Test

- 1) All reagents and samples must be at room temperature (15~30°C) before use.
- 2) Add **10 $\mu$ l** of sample into sample hole using a disposable capillary tube.
- 3) Add 3 drops of assay diluents into the sample hole, drop by drop vertically.
- 4) Start the timer. The sample will flow across the result window. If it does not appear after 1minute, add one more drop of assay diluents to the sample hole.
- 5) Interpret test results at 10 minutes. Do not interpret after 20 minutes.

#### [Test Procedure]



### ■ Interpretation of the Result

#### 1) Negative result

One control("C") line appears in the result window.



#### 2) Positive result

The two color bands ("T" and "C") within the result window indicate the presence of antibodies against to *T.gondii*.



#### 3) Invalid Result

If the control("C") line does not appear, the result might be considered invalid. The sample should be re-tested.



### ■ Limitations of the Test

- 1) Although the Anigen Rapid Toxoplasma Ab Test Kit for Farm Animals is very accurate for detecting antibodies to *Toxoplasma gondii* in farm animal samples, but a low incidence of false results can occur. Other clinical and/or laboratory tests might be required if questionable results are obtained. As other diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test, but should be diagnosed by the veterinarian after all clinical and laboratory findings have been evaluated.
- 2) The reading window may show a light pink background coloration; this will not affect the accuracy of the results.
- 3) BioNote and its distributors cannot be held responsible for the consequences of misuse or misinterpretation of the results given by the test.