

## **CDIA™ Brucella Canis Antibody Colloidal Gold Test Kit (Whole blood, Plasma, or Serum)**

*Cat. No.: DTS115*

*Pkg. Size: 25T*

### **Intended Use**

This kit is a chromatographic immunoassay for the qualitative detection of Brucella Canis antibody in whole blood, plasma, or serum.

### **General Description**

Canis brucellosis is a chronic infection with Brucella Canis that causes generalized lymphadenitis and mild to severe reproductive symptoms. Prostatitis, epididymitis, scrotal dermatitis, testicular atrophy and impotence can be present in the male; abortion typically in the final two weeks of gestation, resorption, infertility, and vaginal discharge can be present in the female.

### **Principle of the Test**

CDIA™ Brucella Canis Antibody Test Kit has Test Line and Control Line on the surface of the kit. Both the “Test Line” and “Control Line” in result window are not visible before applying any samples. The “Control Lines” is used for procedural control. Control line should always appear if this procedure is performed properly and the test reagents of control line works. A red “Test Line” will be visible in the result window if there are enough Brucella Canis Antibody in the specimen. The specially selected Brucella Canis antigen is used in test and as both capture and detector materials. These enable Brucella Canis Antibody Test Kit to identify to Brucella Canis Antibody in specimens, with a high degree of accuracy.

### **Reagents and Materials Provided**

1. Cassette, 25T
2. Assay Diluent, 1 bottle
3. Capillary tubes for 10ul, 10 tubes
4. Kit insert

### **Sample Preparation**

1. Whole blood: Collect the whole blood by using the suitable anticoagulant. Use the whole blood within 1 day after collection. Do not use the hemolysis blood.

**Creative Diagnostics. All rights reserved**

45-1 Ramsey Road Shirley, NY 11967, USA

Tel: 631-624-4882 Fax: 1-631-938-8221

E-mail: [info@creative-diagnostics.com](mailto:info@creative-diagnostics.com)

[www.cd-diatest.com](http://www.cd-diatest.com)

2. Serum or Plasma: Centrifuge whole blood to get plasma or serum specimen.
3. If specimens are not immediately tested they should be refrigerated at 2- 8°C. For keeping specimen more than three days fresh, store them at - 20°C or below (serum, plasma). They should be brought to room temperature before use.
4. Specimens containing precipitate may yield inconsistent test results. Such specimens must be clarified before assaying.

## Assay Procedure

1. Remove the test kit from the foil pouch, and place it on the flat, dry surface.
2. Take 10ul of serum, plasma, or whole blood to the dark score line of a capillary tube.
3. Slowly add 10 µl of serum, plasma, or whole blood to the sample well with capillary tube and then add 2 drops (approximately 60 µl) with bottle containing diluent buffer. If the migration is not appeared whit in 1 minute, add one more buffer to sample well.
4. As the test result, you can see the purple band in the result window of the kit.
5. Interpret test results in 20 minutes.
6. Please do not read after 20 minutes.

## Result Interpretation

**Negative:** The presence of only one red color band in the Control line (C) indicates a negative result.

**Positive:** The presence of two color bands (“T” and “C”), no matter which band appears first, means positive

**Invalid:** If the purple color band is not visible within the result window after performing the test, the result is considered invalid. The directions may not have been followed correctly or the test may have deteriorated. It is recommended to take the test again with same specimen.

## Sensitivity

Sensitivity: 93 % vs. blood culture

## Storage

Store at stored at room temperature. The test kit is sensitive to humidity, and as well as to heat. Perform the test immediately after removing the test device from the foil pouch. Do not use it beyond the expiration.

## Note

1. For in-vitro diagnostic use only. Only indicate the antibody presence against *Brucella canis* in the specimen.
2. As with all diagnostic tests, all results must be interpreted together with other clinical information available to the veterinarian.
3. If the test result is negative and clinical symptom is persisting, additional testing using other clinical methods is recommended. A negative result does not preclude the possibility of *Canis brucellosis*.
4. Do not eat or smoke while handling specimens.
5. Wear protective gloves while handling specimens. Wash hands thoroughly afterwards.
6. Avoid splashing or aerosol formation.
7. Clean up spills thoroughly using an appropriate disinfectant.
8. Decontaminate and dispose all specimens, reaction kits and potentially contaminated materials, in a biohazard container.
9. Do not use the test kit if the pouch is damaged or the seal is broken.