Brucellosis Antigen (BCL Ag) Rapid Test Kit

Technical Manual

(GICA)

Scan for more info.

Shenzhen Finder Biotech Co.,Ltd.
Web: www.szfinder.com
Tel: +86 0755 23499025 Email: techsupport@szfinder.com
Add: Building B12,Life Science Industrial Park, KuiyongSubdistrict, Dapeng New Area, Shenzhen,China

Product Information

Principle

The kit uses colloidal gold immunochromatography assay (GICA). After being added to sample hole("S"), the sample will move along the nitrocellulose membrane with the gold markers. If there are BCL antigens in the sample, it will make the test ("T") line colored. If not, no color reaction will be produced.

Content

Package specification	20T/Kit
Test device (with disposable dropper)	20
Assay diluent	20
Disposable dropper	20
Instruction	1

Storage Conditions

The kit shall be stored at 2°C to 30°C (35.6°F to 86°F) in dry environment. Avoid freezing.

Shelf life: 24 months. The date of manufacture is presented in the label of the box.

Preparation of Sample

(During the sampling process for this case, it is necessary to prevent the spread of pathogenic microorganisms and protect personnel from infection.)

This test card is only suitable for testing whole blood or serum in bovine, sheep and goat.

1.For whole blood sample: Single-use vacuum blood collection tubes (additive-free) are recommended to obtain fresh blood. The whole blood sample should be used immediately after collection.

For serum sample: Collect 2-3mL of blood using a collection tube without anticoagulant, let it stand for 30 minutes, and then centrifuge at 4000 rpm for 10 minutes. (Alternatively, the blood can be left undisturbed at 25-40°C for about 2 hours, allowing the serum to naturally separate.) Collect the supernatant. Short-term storage can be done at 2-8° C, while long-term storage requires -20° C. *Serum should be clear and bright, free from hemolysis and contamination.*

Please note that sample should be return to room temperature (15-30°C) before use.

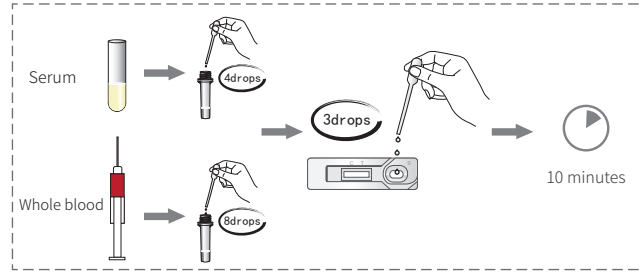
Test Methods

1)Add 4 drops of serum（or 8 drops of whole blood）into the assay diluent tube and shake well. What obtained is the processed sample. (Note: This is a critical step. The amount of sample added should not exceed the specified quantities above).

2)Open the foil pouch, take out the test card and put it on a flat and clean work surface.

3)Using another provided dropper, aspirate the clarified supernatant from the processed sample. Carefully and vertically dispense 3 drops (approximately 60 μL) into the sample hole("S").

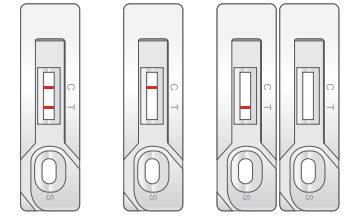
4)Allow the test card to sit at room temperature for 10 minutes to determine the results. Results obtained after 30 minutes are considered invalid.



Results Judgement

Negative: Only control ("C") line appears in the result window.

Positive: Both test("T") line and control("C") line appear in the result window. The higher the antigen titer, the darker the color of the test line (T).



Invalid: If the control("C") line does not appear, the result might be considered invalid.

Results Interpretation

1) A negative test result indicates that there are no BCL antigens detected in the sample, and BCL infection cannot be ruled out if there are corresponding acute

symptoms.

2) When the test result is positive, it indicates the presence of Brucellosis antigen in the tested sample. This could be indicative of Brucellosis infection or recent vaccination with the Brucellosis vaccine (within approximately the past week). Clinical analysis and other methods should be considered for a comprehensive evaluation.

Limitation of the Test Method

This testing method is only intended for qualitative detection of Brucellosis antigen.

Although Brucellosis Antigen (BCL Ag) Rapid Test Kit is highly accurate in detecting BCL antigens, here is still a possibility of occasional false results. If uncertain or questionable results are obtained, additional clinical or laboratory tests may be necessary. As with other diagnostic tests, a definitive clinical diagnosis should not rely solely on the outcome of a single test. Instead, it should be made by the veterinarian after evaluating all clinical and laboratory findings. By considering a comprehensive assessment, veterinarians can ensure a more reliable and accurate diagnosis and provide appropriate care and treatment for the animal.

Notice

1) Please read the instructions carefully before testing. And a variety of reagents are only used for this experiment.

2) Avoid using expired or damaged products.

3) The kit should be allowed to return to room temperature after being removed from the refrigerator before opening. Once opened, it should be used as quickly as possible to avoid becoming ineffective due to moisture.

4) Avoid using samples that are contaminated, turbid, severely hemolytic, and have a large amount of blood lipids.

5) Deionized water, tap water, and saline solution cannot be used as negative controls.

6) Avoid touching the white nitrocellulose membrane of the result window.

7) Avoid touching the sample hole.

8) The waste shall be regarded as pollutants. Please dispose of them properly in accordance with the relevant local regulations.