

# Bovine Brucella Antibody Rapid Test Kit

INSTRUCTION MANUAL  
FOR PRODUCT No: LT56002AYSL



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**NOTE: THIS KIT IS BASED ON A COMPETITION ASSAY.**

**SO, WHEN T-LINE APPEARS IT MEANS A CLEAN SAMPLE AND VICE VERSA.**

MANUAL VERSION 1.02

## **PRINCIPLE**

Bovine Brucella Ab rapid test kit is based on competitive immuno-chromatography technique to qualitatively detect Brucella Ab in bovine, goat, sheep and dog's serum, plasma and whole blood. When testing, Brucella Ab in sample competes with antibody on T-line. If the T line appears, it means there is no Brucella Ab in the sample.

## **MATERIALS SUPPLIED WITH THIS KIT**

1	Brucella Test Device	25 pieces
2	Capillary sampling tube	25 pieces
3	Dilution buffer	1 bottle
4	Manual	1 piece

## **TEST PROCEDURE**

### **I Specimen: whole Blood or serum or plasma**

1. Collect Blood 0.5-1ml, 3000 rev / min, centrifuge for 3-5 minutes to separate the serum. It can also be left at 4 °C standing overnight, so that the natural precipitation of serum takes place. Alternatively, you can do direct test with whole blood.
2. Remove the test device from the foil pouch (if refrigerated bring it to room temperature before opening), and place it on a flat and dry surface.
3. Take 5 µl (capillary black scale) serum or whole blood to the sample well, and then add a drop of dilution buffer liquid provided.

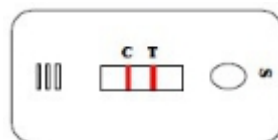
4. Please wait 5 minutes.
5. Add two drops of buffer dilution.
6. At this time you will see the wine red liquid flow through the observation window. Wait 10-15 minutes to determine the results, results will be invalid after 15 minutes.

## II Specimen: Milk

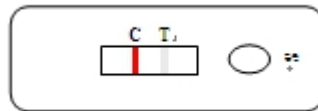
1. Collect raw milk to ensure that the sample is not spoiled and not heated.
2. Remove the test card (if refrigerated, return it to room temperature and open the package) and place it flat on the table after opening.
3. Take 20ul raw milk, add the sample wells.
4. Please wait 5 minutes.
5. Add three drops of Buffer diluent to the sample well.
6. At this time will see the wine red liquid flow through the observation window. Wait 10-15 minutes to determine the results, results will be invalid after 15 minutes.

## Interpretation of the test

1. **Negative:** Both on T Line and C line develop wine-red color reaction.



**2. Positive:** no color reaction on Test Line (T Line), only Control Line (C Line) develops wine-red color reaction;



**3. Invalid:** No color reaction on C Line.



## PRECAUTIONS

1. Excessive loading can cause false-positive results. And too less samples can cause false-negative results. Please accurately control the loading volume as shown in the instruction.
2. Aluminum foil bags damaged products cannot be used. Must be used within 1 hour after opening the package.
3. If the serum cannot be tested immediately, store at 4°C for short time (in 48hours), store at below -20°C for long-term storage.
4. The serum sample must be clarified and if any visible particles are present, centrifugation at 3,000 rpm for 20 minutes.
5. There is no potential bio-hazard for the antigen used in the test card, but all serum samples should be disposed of properly in accordance with the local pollutant treatment regulations.
6. Expired product cannot be used.

## PACKAGING

25 tests/kit

## STORAGE AND EXPIRY DATE

Store at 2 - 30°C and the shelf life is 24 months.

### Test steps

