

## Rose Bengal Plate Test (RBPT) for Brucella

### 1. Intended use

The Rose Bengal Plate Test is a slide agglutination test for the qualitative detection of anti-Brucella antibodies in bovine, caprine, & ovine serum and plasma. Other species may also apply. Contact us for details.

### 2. Kit components

This product is available in different volume, please check the label for volume information.

Items	Quantity
RBPT for Brucella	15 ml / bottle, 5 X 15ml per pack 50 ml / bottle, 10 X 50ml per pack
Instruction	1 set

### 3. Sample preparation

- 1) The reagent should be shaken up gently and thoroughly before use, it shouldn't be used when contamination or coagulum occurred.
- 2) Please bring the antigen reagent, test samples (plasma or serum) to room temperature before testing. For example, take out the reagent and samples, and keep for 30-60 minutes, then start your test.
- 3) **Plasma:** Collect the blood with an anticoagulant tube, or add EDTA anticoagulant into a blood collection tube, then collect the blood, shake up gently, then centrifuge at room temperature for 2min at 4000rpm, the yellow upper layer act as the plasma sample.
- 4) **Serum:** Transfer the blood into a coagulating tube, place it at room temperature, when the yellow upper layer appeared, centrifuge it at room temperature for 2 min at 4000rpm, the yellow upper layer act as the serum sample.

### 4. Operation procedure

Take test sample (serum or plasma) (**30µl**), and mix with an equal volume (**30µl**) of the antigen reagent on a clean glass pane, glass slide or enamel plate. Mix the drops with a stirrer, spreading them over the entire surface of the circle, the mixture is agitated gently, wait for **5 minutes** at ambient temperature, and then observed for agglutination. Any visible reaction is considered to be positive. For any positive result, extra complement fixation test should be conducted to confirm it.

### 5. Result determination

++++	Big aggregation plate or particle appeared, liquid is transparent completely.
+++	Obvious aggregation particles appeared, liquid is almost transparent completely.
++	Obvious aggregation particles appear, liquid is transparent.
+	Aggregation can be observed, liquid is muddy.
-	No aggregation, muddy liquid

## 6. Precaution

- 1) Read the product instruction carefully before experiment.
- 2) Don't use beyond expiration date.
- 3) The reagents should be brought to room temperature before use, and should be stored at 2-8 °C after use.
- 4) Wash hands and lab table surface with water and soap once the testing is done, avoid contacting with skin and eyes.
- 5) The final confirmation of brucellosis should be concluded by the veterinarian.
- 6) Technical error, wrong operation and sample diversity could lead to wrong results.

## 7. Storage

This product could be stored at 2-8 °C for 12 months.

Production date and expiry information are printed on the package.



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