

Rose Bengal Antigen for RSA test

Serological Diagnosis of Brucellosis by the Stained Buffered Acidified Antigen Test or Rose Bengal

Product code: RSA-RB

330 to 400 reactions for *in vitro* veterinary diagnosis

I – Reagent Presentation

- 10 ml suspension of *Brucella abortus* biovar 1 (Weybridge 99 strain) inactivated by heat and phenol then coloured with Rose Bengal stain and diluted in an acidified buffer. This volume allows you to realize 330 to 400 serum analyses.
- Instruction for use.

II – General information

The Buffered Antigen Test or Rose Bengal Test is used for identifying *Brucella abortus* (bovine), *Brucella melitensis* (ovine) or *Brucella suis* (swine) specific antibodies in sera.

- It is an easy-to-implement method capable of screening a large number of sera.
- It uses the principle of slide agglutination in a buffered acidified medium (pH 3,65 ± 0,05) which reduces the appearance of non-specific agglutination.
- The Rose Bengal stain facilitates the reading of agglutinates.
- This reagent is calibrated in accordance with the EC Directive 64/432 and OIE specifications to detect the OIEISS serum positive when diluted 1/45, and negative when diluted to 1/55.

III – Procedure (cf. NF 47-003 standard)

- Mix 25 to 30 µl of Rose Bengal antigen and an equivalent volume of serum on a slide.
- After 4 minutes under slight agitation, the presence of specific antibodies is demonstrated by the formation of agglutinates that are visible to the naked eye. In the absence of specific antibodies, the mixture remains homogeneous.

IV - Precautions

- All reagents and samples must be brought to room temperature before use. Tests should be carried out at room temperature (21°C ±5°C).
- It is important to shake the vial of coloured antigen long enough before use to guarantee the homogenisation of the suspension.

V – Storage

- Store between 2°C and 8°C until the expiration date.
- Do not freeze.

RSA-RB ver 0112 GB