

Rose Bengal test

Rapid slide agglutination antigen for the detection of anti-Brucella.

Use for rapid diagnosis of human brucellosis

Brucellosis is a zoonotic infection caused by the bacterial genus *Brucella*. The bacteria are transmitted from animals to humans by ingestion through infected food products, direct contact with an infected animal, or inhalation of aerosols.

Brucellosis can affect any organ or organ system, and 90% of patients have a cyclical (undulant) fever. Though variable, symptoms can also include these clinical signs: headache, weakness, arthralgia, depression, weight loss, fatigue,

Materials required

- 1.Positive control.
- 2.Negative control.
- 3.White glass slide.
- 4.Stirring sticks.
- 5.Pipettes for dispensing (40mml) serum.
- 6.Timer

Procedure

- 1.Add on slid **1 drop** of Ag (Rose Bengal kit)
- 2.Add **1 drop** of serum patient
- 3.Mix for **4 minutes**.
- 4.Read the result if agglutination positive.

Result

Negative: No agglutination.

Positive: (Presence of specific antibodies) Agglutination.

