FEVER MICRO TEST
BRUCELLA ABORTUS

Determination of antibodies associated with Brucella Abortus infections by coloured bacterial suspension in microplate

TEST SUMMARY
The Antibodies associated with Brucella Abortus infections cause agglutination of inactive bacteria present in suspension. The intravital colouring permits an easier reading of agglutination formation.

SAMPLES
Fresh clear serum. Stability 7 days at 2-8°C. Freeze for longer period at -20°C, and keep at room temperature before the analysis.

PROCEDURE
In a microplate with “U” welles dilute the serum with physiologic solution as indicated in the following table. Using the same pipette (inspiring and discharging many times) mix carefully content of the second well and transfer 100 µl in the following well etc. Discharge 100 µl from last well (well n° 9).

RESULTS INTERPRETATION
A coloured bottom with a clear point shape, on the well bottom, indicates negativity. An agglutinate that cover all the well bottom indicates a clear positivity, while, a no uniform agglutinate with a bottom in the centre, on the well bottom, indicate a feeble positivity. The serum titre is given by a high dilution in which there is a feeble positivity.

DIAGNOSTIC VALUES
Titres greater 1/80 indicates recent infection.

NOTE
• If the results are incompatible with clinical presentation, they have to be evaluated within a total clinical study.

CALIBRATION/QUALITY CONTROL
Positive and Negative control sera should be always used to distinguish an eventual background’s agglutination of reactive.

TEST PERFORMANCE
Sensitivity
In presence of high antibodies titres, phenomenon of prozone can happen, therefore positivity is absent for low dilutions also being present for higher dilutions.

Specificity
A comparison with an available commercial method gave following results on 50 samples compared, giving a specificity = 100%.

PRECAUTIONS
Reagent may contain not reactive and conservative components. It is opportune to avoid contacts with the skin and do not swallow.

SAMPLES PREPARATION
The serum must be diluted 1:10 with physiologic solution (100 µl of serum with 900 µl of physiologic).

SPECIAL FEATURES
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MASCIA BRUNELLI

COMPETITORS

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WASTE DISPOSAL
Product is intended for professional laboratories. Waste products must be handled as per relevant security cards and local regulations.

REFERENCES