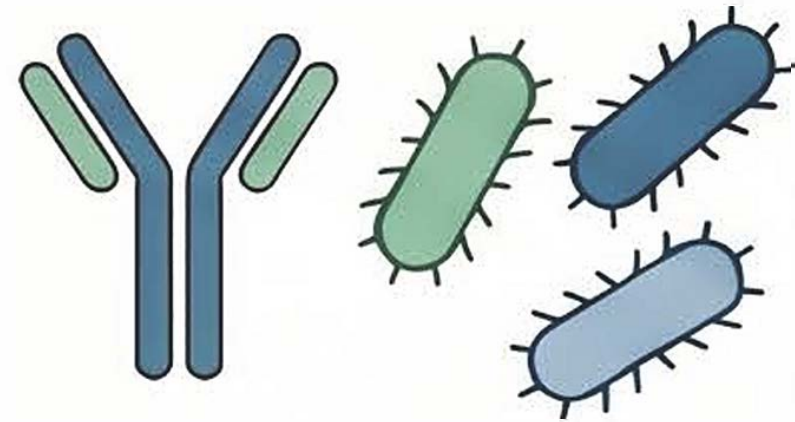


1

Clinical Significance & Technical Performance

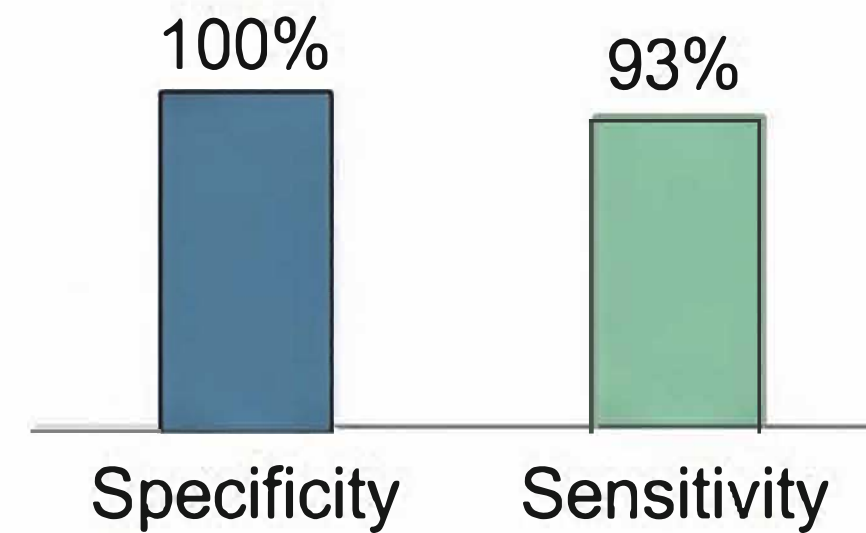
Targeted IgG Detection

Specifically detects IgG antibodies to *B. melitensis*, *B. suis*, and *B. abortus*.



100% Specificity & 93% Sensitivity

High-precision performance ensures reliable qualitative differentiation of patient samples.



Rapid 50-Minute Incubation

Efficient workflow with a total incubation time of under one hour.



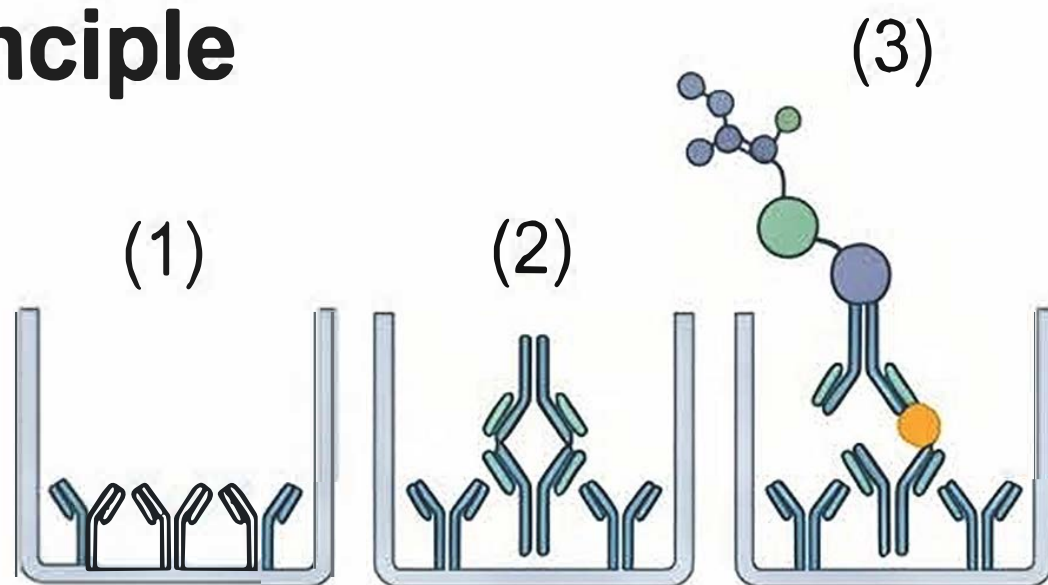
Specifications	
Specification	Requirement/Value
Sample Type/Volume	10 µL Serum or Plasma
Shelf Life	12 Months from Mfg Date
Storage Temp	2–8°C

2

Assay Workflow & Interpretation

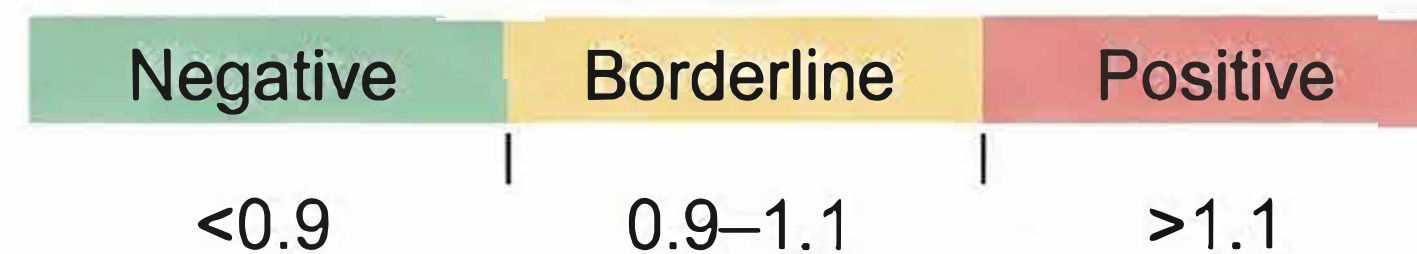
Indirect ELISA Principle

Antigen-coated wells bind specific IgG, followed by enzyme conjugate and TMB substrate reaction.



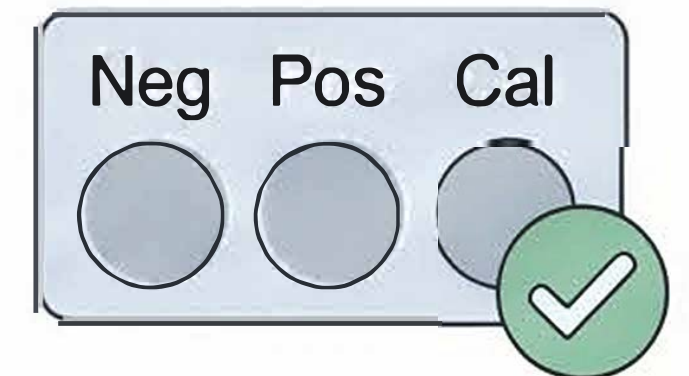
Antibody Index Interpretation

Results are classified as Negative (<0.9), Borderline (0.9-1.1), or Positive (>1.1).



Built-in Quality Control

Includes Negative, Positive, and Calibrator controls to ensure valid test runs.



3

Diagnostic Interpretation Guide

Index Calculation Formula

$$\text{Ab Index} = \frac{\text{Patient Sample O.D.}}{(\text{Calibrator O.D.} \times \text{Calibrator Factor})}$$

Clinical Correlation Required

Results should be interpreted alongside patient history, physical findings, and other procedures.

