

Brucella Ab C-ELISA

Brucellosis antibody C-ELISA

Brucellosis is a highly infectious zoonosis characterized by chronic infections which persist for a whole lifetime. Symptoms include late-term abortion and infertility in cattles and undulant fever in humans.

Our BIONOTE Brucella Ab C-ELISA is a competitive Enzyme Linked Immunosorbent Assay (ELISA) for the qualitative detection of anti-Brucella antibody in serum or plasma of various species. The ELISA facilitates the differentiation of antibody formation between vaccination(S19 vaccine) and Brucella infection.



Indications

- Diagnosis of brucellosis in multiple species
- Screening for test and slaughter government policy
- Massive screening for animal import & export in multiple species

Special Features

- Specimen : Serum, Plasma
- Reading time : 75 minutes
- No cross-reactivity with other Gram negative bacteria
- High Sensitivity and Specificity
- Can be applied to various animal species including bovine, swine, goat, sheep, and camel et cetera

Quick Procedure

1. Pre-incubate all reagents and samples in room temperature before use
2. Dilute samples and controls in sample diluent (1:9 dilution)
3. Add 50 µl of diluted samples and controls to wells
4. Add 50 µl of biotin conjugates into wells of samples and controls
5. Cover plate and incubate for 30 minutes at room temperature
6. Wash 5 times with 350 µl of diluted washing solution
7. Add 100 µl of diluted enzyme conjugate
8. Cover plate and incubate for 30 minutes at room temperature
9. Wash 5 times with 350 µl of diluted washing solution
10. Add 100 µl of substrate
11. Cover plate and incubate for 15 minutes at room temperature in dark
12. Add 100 µl of stop solution
13. Measure the optical density (OD) at 450nm with reference wavelength at 620 within 30 minutes
14. PI Value = $[1 - (\text{mean OD}_{\text{sample}} / \text{mean OD}_{\text{NC}})] \times 100$

Performance

Comparative study with other C-ELISA

Company	BIONOTE C-ELISA			Total
	(+)	(-)	Total	
"A"	(+)	161	1	162
	(-)	0	93	93
Total	161	94	255	

• Correlation: 99.6%

• Sensitivity: 99.3%

• Specificity: 100%

Ordering Information

Cat. No.	Description	Type	Packing size
EB4305PO	Brucella Ab C-ELISA	Microplate	480 Wells/Kit