

# Brucella cELISA

Product #  
B1300



The Ellie's **BRUCELLA cELISA** is a qualitative test based on competitive ELISA technology. Plates are coated with lipopolysaccharide (LPS) extracted from *Brucella abortus* bacteria. Any anti-Brucella antibodies present in the sample will compete with LPS specific, mouse anti-Brucella monoclonal antibodies on the LPS specific binding site.

Antibodies against LPS are indicative of infection with a smooth *Brucella* biovars.

## **SIMPLE PROCEDURE • HIGH SENSITIVITY AND SPECIFICITY • COMPLIANT WITH 64/432EEC**

Tests can be used for confirmatory or screening testing in vaccinated and non-vaccinated areas, and as supplemental tools to Brucella FPA in mass testing campaigns.

Brucella cELISA is a robust product, versatile and highly sensitive and specific. It can test multiple species, including cattle, sheep and goats.

**B1300****Brucella Abortus Antibody Test Kit, cELISA**

Trade Name	Brucella cELISA
Technology	Competitive ELISA
Antigen	<i>Brucella abortus</i> LPS
Analyte	IgG
Species	Bovine, Sheep and Goats
Samples	Serum
Description	Test is based on Brucella LPS antigen and anti-Brucella LPS monoclonal antibody. It is fully compliant with applicable EU regulations (EU Council Directive 64/432/EEC, Annex C). Recommended for eradication and control purposes, usually as confirmatory test and also when various species need to be tested.

**Samples****Sensitivity****Specificity****Reference method**

Negative bovine serum samples n=522 Samples come from number of small individual farms across Serbia.	n.a.	99.4%	RBT, iELISA, cELISA
Negative sheep serum samples n=440 Samples come from number of small individual farms across Serbia.	n.a.	100%	RBT, iELISA, cELISA
Negative goat serum samples n=440 Samples come from number of small individual farms across Serbia.	n.a.	100%	RBT, iELISA, cELISA
Positive bovine serum samples n=220 Samples originated from the USDA/NVSL Serum Bank (United States of America). All were confirmed with culture.	99.5%	n.a.	culture, CFT
Positive sheep serum samples n=84 All samples were provided by the Veterinary Institute Kraljevo, Serbia.	100%	n.a.	RBT, iELISA, cELISA, CFT
Positive goat serum samples n=86 Positive goat serum samples used in the study originated from Greece. All samples were provided by the Veterinary Institute in Larissa.	100%	n.a.	culture

**Standard****Sample Type****Dilution****Detection**

OIEELISAspSS	serum	1:16   1:64	Positive   Negative
OIEELISAwspSS	serum	1:2   1:8	Positive   Negative

**ellie** is the most trusted name in brucellosis diagnostics worldwide. With a full portfolio of test kits and reagents, we cover the entire field of brucellosis eradication in production animals. Our diagnostics are used as reference, confirmatory, and screening tools across the globe.

**ellie**

**Headquarters****Ellie LLC**

N114 W19320 Clinton Dr. #5  
Germantown, WI 53022, U.S.A.  
Phone: +1 (800) 556-6953 • [ellie@ellielab.com](mailto:ellie@ellielab.com)  
[www.ellielab.com](http://www.ellielab.com)

**Manufacturing****DOO Biotehnika IVD**

Ratina 175, 36212 Kraljevo, Serbia  
Phone: +381365861988, +381365861989  
[info@biotehnika.rs](mailto:info@biotehnika.rs) • [www.ellielab.com](http://www.ellielab.com)