

TB iELISA Chimera (Embrapa Kit)

Product #
T1100



Antibody testing in TB eradication efforts have gained interest over the years. Mycobacterium Bovis Antibody Test Kit, iELISA (Embrapa kit) is Embrapa's and Ellie's contribution to the eradication of TB. The Embrapa kit has been developed at Embrapa Beef Cattle, in Campo Grande, Brazil, by the team of Dr. Flávio Araujo. The kit has been licensed, co-developed and validated in a joint effort between Embrapa and Ellie. Final product is continuously undergoing validations and perfection in the use on the market as of today.

HIGH SPECIFICITY • SIMPLE PROCEDURE • AFFORDABLE

TB iELISA Chimera uses antigens from MPB70, MPB83 and ESAT-6 of *Mycobacterium bovis*. Antigens have been fused into one chimeric protein and expressed in recombinant protein system, and subsequently purified. TB iELISA have shown exceptional specificity while testing large numbers of animals in TB free zones. The kit has shown ability to detect anergic animals, even when no prior stimulation is done. Our continuous effort will concentrate on use of this kit in long term privately funded TB eradication programs, which we will make possible with solid research data behind the product, constant improvement and affordable price.

T1100 Mycobacterium Bovis Antibody Test Kit, iELISA (Embrapa Kit)	
Trade Name	TB iELISA Chimera (Embrapa Kit)
Technology	Indirect ELISA Technology
Antigen	Chimeric protein with antigens from MPB70, MPB83 and ESAT-6
Analyte	IgG
Species	Bovine
Samples	Serum
Description	The MYCOBACTERIUM BOVIS ANTIBODY TEST KIT, iELISA is a qualitative test using indirect ELISA technology. The test is designed to determine the presence of antibodies against specific peptide sequences of MPB70, MPB83 and eSAT6 proteins of <i>Mycobacterium bovis</i> in individual bovine serum samples. The presence of antibodies is indicative of exposure to <i>Mycobacterium bovis</i> .

Use of TB iELISA test kits in eradication effort is very often misconstrued, and false expectations overwhelmingly prevent the proper use of this kind of technology. The question of what is the positive animal, very often gets sidelined. When using iELISA test, it is very clear that high positive animals will have lesions, and are often anergic, medium positive animals will have some lesions, and animals with low signal will have only antibodies, maybe some lesions, and maybe none. Our recommendation is to use iELISA test frequently (hence affordable price) and find anergic animals and move them out of the herd. Highly positive animals are often anergic to skin test and low positive animals are easily detected using a skin test. Between these two technologies, the right pool of animals will be detected and removed. However, tests are only a supporting technologies to most important changes in the management system, that actually prevents transmission and ultimately leads to the eradication of the disease.

Ellie's team of scientist can help you to eradicate TB by advising you how to establish the most affordable and comprehensive TB control program. This can include our help with implementation of specific management programs, testing and culling. We have teamed up with exceptional scientist, to who TB is a known domain.

LET US HELP YOU WITH THE MOST COMPREHENSIVE SUPPORT YOU CAN GET



ellie

Headquarters

Ellie LLC

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

Manufacturing

DOO Biotehnika IVD

Cara Lazara 4, 36212 Kraljevo, Serbia
Phone: +381365861988, +381365861989
info@biotehnika.rs • www.ellielab.com