



Eurofins Technologies Ingenasa Tuberculosis Kits

Animal tuberculosis is a chronic bacterial disease caused by members of the ***Mycobacterium tuberculosis complex (MTC)***, mainly *M. bovis* and *M. caprae*, that can affect several species of domestic and wild animals.

Tuberculosis is a zoonotic disease that can be transmitted to human beings. The control of this pathology is largely limited due to the existence of wildlife reservoirs.

To contribute to the control of the disease Eurofins Ingenasa offers a **different range of tools to detect of antibodies** against *Mycobacterium bovis*.



ELISA Kits



LFDs

Versatile Technology

Eurofins Technologies through its subsidiary Ingenasa has developed **comprehensive solutions** - ELISA, LFD - to detect **bacteriological pathologies in domestic and wild animals**.

Key Benefits

- Detection of antibodies against *M. bovis* and *M. caprae*
- Easy and reliable tests with high specificity and sensitivity, especially in swine, wild boar and goat
- The use of ELISA in combination with the intradermal tuberculin test maximizes the detection of Tuberculosis
- No cross reactivity with paratuberculosis
- Different formats available to fulfill specific requirements

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ELISA INgezim TB Porcine ^(1,2)



Indirect assay for the detection of *Mycobacterium bovis*-specific antibodies in swine and wild boar serum, plasma and blood spots on filter paper.

Article no.	Product	Presentation	Quantity
11.TBP.K.1/2.	INgezim TB PORCINE	2 Plates	192 test
11.TBP.K.1/5	INgezim TB PORCINE	5 Plates	480 test

ELISA INgezim Tuberculosis DR ^(3,4)



Dual-recognition multispecie assay for the detection of *Mycobacterium bovis*-specific antibodies in serum, plasma, blood spots on filter paper and in small ruminant milk samples. Not suitable for cattle.

Article no.	Product	Presentation	Quantity
10.TB.K.0/2	INgezim Tuberculosis DR	2 Plates	192 test
10.TB.K.0/5	INgezim Tuberculosis DR	5 Plates	480 test

Lateral Flow Device INgezim TB CROM Ab ^(1,5)



Point-of-care assay for the detection of *Mycobacterium bovis*-specific antibodies in swine and wild boar serum and blood samples.

Article no.	Product	Presentation	Quantity
11.TBP.K.41/30	INgezim TB CROM Ab	30 Strips	30 test
11.TBP.K.41/100	INgezim TB CROM Ab	100 Strips	100 test

References:

(1) Evaluation of five serologic assays for bovine tuberculosis surveillance in domestic free-range pigs from southern Spain. Cardoso-Toset F, Luque I, Carrasco L, Jurado-Martos F, Rivalde MA, Venteo A, Infantes-Lorenzo JA, Bezos J, Rueda P, Tapia I, Gortázar C, Domínguez L, Domínguez M, Gomez-Laguna J. *Prev Vet Med.* 2017, 137(Pt A):101-104. Doi: 10.1016/j.prevetmed.2016.12.016

(2) Tuberculosis in the wild boar: Frequentist and Bayesian estimations of diagnostic test parameters when *Mycobacterium bovis* is present in wild boars but at low prevalence. Richomme C, Courcou A, Moyen J-L, Reveillaud E, Maestrini O, de Cruz K, Drapeau A, Boschiroli ML. *PLoS ONE*, 2019, 14(9): e0222661. <https://doi.org/10.1371/journal.pone.0222661>

(3) The use of serological tests in combination with the intradermal tuberculin test maximizes the detection of tuberculosis infected goats. Bezos J, Roy A, Infantes-Lorenzo JA, González I, Venteo A, Romero B, Grau A, Mínguez O, Domínguez L, de Juan L. *Vet Immunol Immunopathol*, 2018, 199:43-52. Doi: 10.1016/j.vetimm.2018.03.006

(4) Temporal analysis of the interference caused by paratuberculosis vaccination on the tuberculosis diagnostic tests in goats. Roy A, Infantes-Lorenzo JA, Blázquez JC, Venteo A, Mayoral FJ, Domínguez M, Moreno I, Romero B, de Juan L, Grau A, Domínguez L, Bezos J. *Prev Vet Med*, 2018, 156:68-75. Doi: 10.1016/j.prevetmed.2018.05.010

(5) A lateral flow assay for the rapid diagnosis of *Mycobacterium bovis* infection in wild boar. Fresco-Taboada A, Rivalde MA, Gortázar C, Tapia I, González I, Venteo A, Sanz A, Rueda P. *Transbound Emerg Dis.* 2019, 2019:00:1-5. Doi: 10.1111/tbed.13260