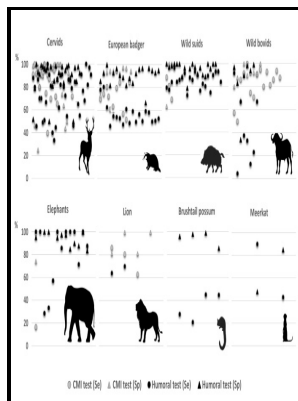


# Immunodiagnosis of tuberculosis in red deer

University of Birmingham - The value of immunodiagnostic tests in detecting tuberculosis in an infected red deer herd and in eradication of the disease by selection



Description: -

-Immunodiagnosis of tuberculosis in red deer

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Notes: Thesis (M.Med.Sc.) - University of Birmingham, Department of Immunology, School of Medicine, Faculty of Medicine and Dentistry.

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Tags: #Identification #of #antigens #with #potential #for #immunodiagnosis #of #Parelaphostrongylus #tenuis #and #Elaphostrongylus #cervi #infections #in #red #deer #(Cervus #elaphus #elaphus)

## Tuberculosis in ruminants: Characteristics of intra

Wild white-tailed deer may pose the greatest threat to the establishment of bovine Tb on the landscape because they move freely across the landscape and may contact multiple domestic cattle herds. The sale of raw milk and the production of any milk products from unpasteurized milk on the affected farm or using milk from the farm is prohibited until the farm is officially cleared of infection. What management steps have other states taken to reduce or eliminate bovine Tb in wild deer? Servicio Regional de Investigación y Desarrollo Agroalimentario SERIDA.

## Development and evaluation of an interferon gamma assay for the diagnosis of tuberculosis in red deer experimentally infected with Mycobacterium bovis

Description: Preliminary results were presented as a Poster at XXII Simposio, Avedila, Valladolid, 16—17 November 2017. In addition, further work is required to extend the application to other wildlife species of interest.

## A new test to detect antibodies against Mycobacterium tuberculosis complex in red deer serum

In Michigan, USA tuberculous white-tailed deer transmit M. Results are presented as mean  $\pm$  standard error of the mean  $\Delta$ OD readings i.

## Development and evaluation of an interferon gamma assay for the diagnosis of tuberculosis in red deer experimentally infected with Mycobacterium bovis

For example, a roe deer in winter coat and antlers in summer would be very unusual and would lead me to suspect a disease before I even dispatched the animal.

## USDA APHIS

Department of Agriculture, Ames, Iowa, 3 Chembio Diagnostic Systems, Inc. The clinical signs of bovine Tb recognizable to hunters would be

small to large white, tan, or yellow lesions on the lungs, rib cage, or in the chest cavity Picture 2. I wonder if this surprised any of us whose work involves animals.

### **Identification of antigens with potential for immunodiagnosis of *Parelaphostrongylus tenuis* and *Elaphostrongylus cervi* infections in red deer (*Cervus elaphus elaphus*)**

In contrast, the MPB70-specific FPA detected infected animals much later 86 days p. We assessed the performance of this new antigen in indirect enzyme-linked immunosorbent assays ELISA in TB-positive and TB-negative red deer, in comparison with a bPPD-based ELISA. All other deer were negative for M.

### **How to spot TB in deer**

Bovine Tb has been greatly reduced in the cattle industry since the National Cooperative State-Federal Bovine Tuberculosis eradication program began in 1917. Cattle, captive cervids, and wild white-tailed deer are considered reservoir hosts for bovine Tb. Hospital Universitario Reina Sofía de Córdoba.

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