

Immunodiagnosis of tuberculosis in red deer

University of Birmingham - A new test to detect antibodies against *Mycobacterium tuberculosis* complex in red deer serum

Control scenario	Herds	BCG ¹	Gudair® ²	No. of animals tested		
				ST	IGRA	ELISA
Conventional ³	A+B	No	Yes	154	151	151
TB-IAC ⁴	A+C	Yes	Yes	138	145	145

¹Conventional scenario: composed by TB unvaccinated goats. ²TB-IAC Scenario: TB negative animals from herd C were vaccinated with BCG and TB-positive animals from herd A were not vaccinated. ³BCG, bacilli Calmette-Guérin *Mycobacterium bovis* vaccine. ⁴Gudair vaccine, vaccine against paratuberculosis (*Mycobacterium avium* subspecies paratuberculosis).

TB, tuberculosis; ST, skin test; IGRA, interferon-gamma release assay.

Description: -

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In Michigan, USA tuberculous white-tailed deer transmit M. In the present study, the peptides cocktail combining ESAT-6 and CFP-10 elicited robust recall IFN γ responses in M. Tuberculin for skin test procedures were obtained from the Biologics Production Unit at the CFIA, Ottawa, Ontario, Canada.

Tuberculosis in Deer and Elk

Although numerous attempts to develop a rapid serodiagnostic test for human TB have been disappointing, the potential of this approach for TB detection in animals has recently been demonstrated , ,.

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

Legislation in England, Scotland and Wales requires that all cattle over 42 days old moving out of a yearly tested herd must have tested negative to a TB test within 60 days prior to movement unless the herd or movement meets any of the exemptions DEFRA Pre-Movement Testing. Open questions and recent advances in the control of a multi-host infectious disease: animal tuberculosis. Areas of dullness can be heard in the chest on auscultation or percussion.

Tuberculosis in ruminants: Characteristics of intra

Surujballi Canadian Food Inspection Agency, Ottawa Laboratory Fallowfield, Ottawa, Ontario, Canada, 1 Department of Pathobiology, University of Guelph, Guelph, Ontario, Canada, 2 National Animal Disease Center, U. Diagnostic assay accuracy in this species is therefore highly relevant for prevention and control measures. 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.

Bovine Tuberculosis in Wild White

A question remains, however, as to how well this model reflects all aspects of the disease process and the range of responses present in a naturally infected free-ranging population.

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However, the capacity of this species to act as reservoir of animal tuberculosis TB poses a threat to other wildlife and to livestock.

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