

PANORAMA

Thematic portfolio



Controlling bovine tuberculosis: a One Health challenge



PERSPECTIVES

DOSSIER

AROUND THE WORLD

RESOURCES

► OIE PUBLICATIONS

OIE technical standards for diagnostic tests and vaccines for bovine tuberculosis

AUTHORS

Glen Gifford^{(1)*}, Gregorio Torres⁽²⁾, Sara Linnane⁽³⁾, Elisabeth Erlacher-Vindel⁽⁴⁾ & Matthew Stone⁽⁵⁾

(1) Chargé de mission, Antimicrobial Resistance and Veterinary Products Department, World Organisation for Animal Health (OIE).

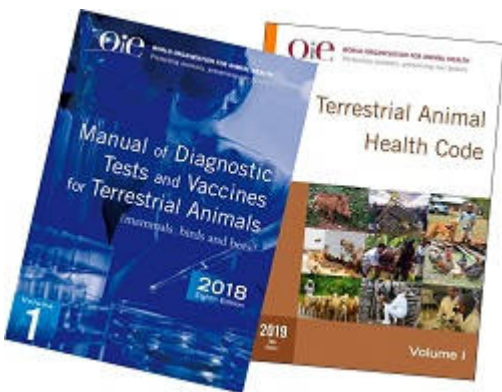
(2) Acting Head, Science Department, World Organisation for Animal Health (OIE).

(3) Scientific Editor, Science Department, World Organisation for Animal Health (OIE).

(4) Head, Antimicrobial Resistance and Veterinary Products Department, World Organisation for Animal Health (OIE).

(5) Deputy Director General, International Standards and Science, World Organisation for Animal Health (OIE).

* Corresponding author: g.gifford@oie.int



The World Organisation for Animal Health (OIE) is an intergovernmental, animal health, standard-setting organisation that develops and publishes science-based standards for animal health and welfare programmes, as well as technical standards for the manufacturing and quality control of diagnostic tests and vaccines for use in the diagnosis, prevention and control of animal diseases, including bovine tuberculosis.

The technical standards for diagnostic tests and vaccines are developed and updated collaboratively, through an extensive network of scientific experts in OIE Collaborating Centres and Reference Laboratories throughout the world, and in consultation with Member Country Delegates who review and approve the final texts through a vote at the OIE General Session, which is held in Paris in May of each year.

These adopted standards are published in the *Terrestrial Animal Health Code (Terrestrial Code)* and the *Manual of*

Diagnostic Tests and Vaccines for Terrestrial Animals (Terrestrial Manual).

Bovine tuberculosis is covered in the *Terrestrial Code* [Chapter 8.11. Infection with *Mycobacterium tuberculosis* complex](#) [1] and the *Terrestrial Manual* [Chapter 3.4.6. Bovine tuberculosis](#) [2].

Chapter 8.11, Infection with *Mycobacterium tuberculosis* complex, of the ***Terrestrial Code*** provides an overview of the animal health standards and requirements for demonstrating freedom from bovine tuberculosis or notifying its presence within a country, zone, compartment or herd, and lists the agreed procedures for ensuring safe international movement of animals and animal products. These recommendations are intended to help manage the human and animal health risks associated with animals infected with a member of the *Mycobacterium tuberculosis* complex (*M. bovis*, *M. caprae* and *M. tuberculosis*).

Chapter 3.4.6, Bovine tuberculosis, of the ***Terrestrial Manual*** provides a detailed description of the disease and recommended laboratory methods to identify the causative agent, as well as the internationally accepted diagnostic techniques for official disease control and eradication programmes and international trade. This chapter also outlines the technical standards for manufacturing and testing bovine tuberculosis vaccines and diagnostic tests.

REFERENCES

1. World Organisation for Animal Health (OIE) (2018). - [Terrestrial Animal Health Code](#). 27th Edition.
2. World Organisation for Animal Health (OIE) (2018). - [Manual of Diagnostic Tests and Vaccines for Terrestrial Animals](#). 8th Edition.

The OIE is an international organisation created in 1924 with a mandate from its 182 Member Countries to improve animal health and welfare. Its activities are permanently supported by 301 centres of scientific expertise and 12 regional offices with a presence on every continent.



Follow the OIE: www.oie.int



@OIEAnimalHealth



World Organisation for Animal Health - OIE



OIEVideo



World Organisation for Animal Health



World Organisation for Animal Health (OIE)



Digital version: www.oiebulletin.com



WORLD ORGANISATION FOR ANIMAL HEALTH

Protecting animals, preserving our future

12, rue de Prony - 75017 Paris, France
Tel.: +33 (0)1 44 15 18 88 - Fax: +33 (0)1 42 67 09 87 - oie@oie.int