

Diagnosis of Bovine Tuberculosis.

BOVINE AND AVIAN TUBERCULIN PPD



HIGHLY EFFECTIVE TOOLS FOR BOVINE TUBERCULOSIS SKIN TEST.

- _ High quality product for reliable bovine tuberculosis control
- _ Early herd-level detection of disease for effective tuberculosis control in cattle
- _ Convenient and cost-efficient delivery
- _ Marketing authorization in UK, Ireland and the Netherlands

Tuberculin PPD

Skin test for tuberculosis in cattle

BOVINE TUBERCULOSIS

Bovine tuberculosis (TB) is a major infectious disease among cattle, other domestic animals and certain wildlife populations. It results from infection with *Mycobacterium bovis* and can be transmitted either by the respiratory route or by ingestion. Bovine TB is a chronic disease and it usually takes many months for clinical signs to develop. Bovine TB is a significant zoonosis that can spread to humans through aerosols and by drinking unpasteurized milk or dairy products from infected cows. For diagnosis of a bovine TB infection, Prionics offers Bovine and Avian Tuberculin PPD products for use in the skin test.

Skin test

Bovine and **Avian Tuberculin PPDs** are *in vivo* diagnostica that are administered intradermally. In TB cattle, injection of bovine tuberculin PPD results in an immunological response at the site of injection. This is referred to as the Delayed Type Hypersensitivity (DTH) reaction and is observed as swelling and local inflammation of the skin (lesion). The thickness of the skin is measured with callipers 72 hours following injection. Avian Tuberculin PPD is used to control for unspecific reactions.

THE BENEFITS OF PRIONICS' BOVINE AND AVIAN TUBERCULIN PPD

High quality products for reliable bovine TB control

Tuberculin PPDs from Prionics are manufactured under GMP conditions and their potency is determined in the Guinea pig potency test as defined in EC directive 91/412/EC for Veterinary Medicinal Products.

The Tuberculin PPDs are tested in compliance to the relevant European Pharmacopoeia monographs [0536] and [0535]. Tuberculin PPD is being produced in the Netherlands since 1949. Lelystad has produced the European Commission and World Health Organization reference standard for bovine tuberculin PPD in 1986.

Product quality is tested in compliance with the Eur. Ph. monographs.

Early herd-level detection of disease for effective TB control

The Tuberculin PPD Kit contains avian (2500 IU/dose) and bovine (3000 IU/dose) tuberculin PPD matched for the single intradermal comparative cervical tuberculin (SICCT) test. The kit is validated for use in animals starting from 0 days of age. It can thus also be used in young calves, leading to early detection of TB in cattle herds.

TB diagnosis immediately after birth.

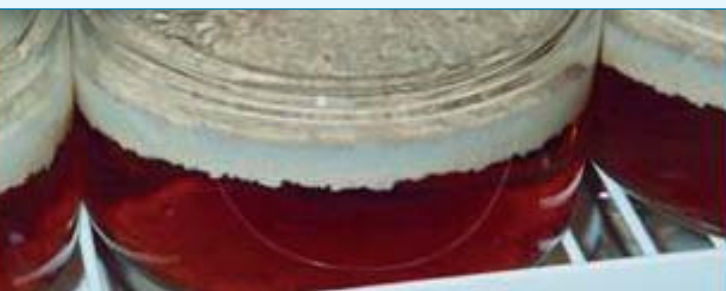
Convenient and cost-efficient delivery

Another important advantage of the Tuberculin PPD products from Prionics is that they can be transported outside of the cold chain without impact on product quality, reducing transport costs and considerably increasing transportation flexibility.

Products can be transported outside of the cold chain.

EFFICIENT TOOLS IN ERADICATION OF BOVINE TB

The Bovine and Avian Tuberculin PPDs produced in Lelystad were used to eradicate bovine TB in the Netherlands. The products contribute to the reduction of bovine TB in Ireland since 1980 and in the UK since 2005. In 2010, Prionics received marketing authorization for its Tuberculin PPD Kits from the UK, Ireland and the Netherlands.



Bovine Tuberculin PPD 3000

Prod. No. 7600040 40 x 2 ml, 800 doses

Prod. No. 7600055 20 x 5 ml, 1000 doses

Avian Tuberculin PPD 2500

Prod. No. 7600050 40 x 2 ml, 800 doses

Prod. No. 7600045 20 x 5 ml, 1000 doses

Tuberculin PPD Kit

(contains avian (2500 IU/dose) and bovine (3000 IU/dose) tuberculin PPD)

Matched products suitable for SICCT

Prod. No. 7600025 20 x 2 ml, 20 x 20 doses each

Prod. No. 7600035 10 x 5 ml, 10 x 50 doses each

Related product

BOVIGAM* (in vitro TB test; www.prionics.com/BOVIGAM)

Prod. No. US / Rest of the world

63300/63320 (10-plate kit)

63306/63326 (30-plate kit)

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