Diagnosis of Bovine Tuberculosis.

BOVINE AND AVIAN TUBERCULIN PPD

TOOLS FOR BOVINE TUBERCULOSIS SKIN TEST

- Products meet requirements as described in the European Pharmacopoeia monographs
- Unique double matching ensures that the actual potency of Bovine Tuberculin PPD is always higher than that of Avian PPD and that their difference does not exceed 500 IU/dose
- Kit validated for use in animals starting from 0 days of age
- Reagents manufactured in one of the world’s largest Tuberculin production sites
- May be transported at +2°C - +37°C for a period of up to 14 days for convenient and cost-efficient delivery

WWW.LIFETECHNOLOGIES.COM/ANIMALHEALTH
BOVINE TUBERCULOSIS

Bovine tuberculosis (bTB) is a major infectious disease among cattle, other farm animals and certain wildlife populations. It results from infection with Mycobacterium bovis and can be transmitted either through respiration or by ingestion. bTB is a chronic disease and it usually takes many months for clinical signs to develop. It is a significant zoonosis that can spread to humans through aerosols and by the consumption of unpasteurized milk or dairy products from infected cows.

Skin test
The skin test is the official OIE prescribed test for bTB diagnosis. This test involves intradermal administration of bovine and avian tuberculin PPDs - in vivo diagnosis. In TB positive 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 as a control for unspecific reactions.

PRODUCT DESCRIPTION

Skin test reagents for bTB control
The Prionics Lelystad Tuberculin PPDs for skin test meet the requirements of the relevant European Pharmacopoeia (EP) monographs [0536] and [0535]. Tuberculin PPD is being produced in the Netherlands since 1949 in one of the world’s largest production facilities. Lelystad Tuberculin PPDs have been used to manufacture the World Health Organization (WHO) Reference Standard. Prionics Lelystad offers the Tuberculin PPDs both in a kit for single intradermal comparative cervical tuberculin (SICCT) test and as separate products for the single cervical tuberculin (SCT) test.

Unique doubly-matched skin test reagents
The Tuberculin PPD Kit contains Avian (2500 IU/dose) and Bovine (3000 IU/dose) Tuberculin PPD matched for the SICCT test. Combining Tuberculin PPDs in a skin test that are merely matched based on their stated potency is relatively imprecise because the EP monograph allows a large deviation between the stated and the actual potency. The potencies of the Prionics Lelystad Bovine and Avian Tuberculin PPDs are doubly-matched during their production. This means that the actual potency of Bovine Tuberculin PPD is always higher than that of Avian Tuberculin PPD, and that the difference in potency between the two Tuberculin PPDs does not exceed 500 IU/dose. Matching of the potency of Tuberculin PPDs to each other is not required in the EP monographs.

Early herd-level detection for continuous bTB monitoring
The Tuberculin PPD Kit is validated for use in animals starting from 0 days of age. The reagents can thus also be used in young calves, and therefore allows uninterrupted bTB monitoring in cattle herds.

Convenient and cost-efficient delivery
Another important advantage of the Tuberculin PPD products from Prionics Lelystad is that they may be transported at +2°C - +37°C for a period of up to 14 days without impact on product quality, reducing transport costs and considerably increasing transportation flexibility.

Marketing authorization in EU countries
The Tuberculin PPDs of Prionics Lelystad are applied in over 50 million skin tests annually in Europe. Prionics Lelystad currently holds marketing authorization for its Tuberculin PPD Kit in the UK, Ireland and the Netherlands. Marketing authorization applications will be filed for this product in other countries.

PRODUCTS

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

Bovine Tuberculin PPD 3000 (product for SCT)
- 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

Related products
- BOVIGAM® (in vitro TB test)
  - Prod. No. US / Rest of the world
    - 63300/63320 (10-plate kit)
    - 63306/63326 (30-plate kit)
- BOVIGAM® 2G (in vitro TB test)
  - Prod. No. 63330 (10-plate kit)

CONTACT INFORMATION

PRIONICS AG
WAGISTRASSE 27A
8952 SCHLIEREN-ZURICH
SWITZERLAND

PHONE +41 44 2002112
FAX +41 44 2002010
ORDERS@PRIONICS.COM
WWW.LIFETECHNOLOGIES.COM/ANIMALHEALTH

Note:
The use of this leaflet is subject to the relevant national legislative framework. The Tuberculin PPD products for skin test are regulated products and require a special order process.