

CHAPTER 11.7.

BOVINE TUBERCULOSIS

Article 11.7.1.

The recommendations in this Chapter are intended to manage the human and animal health risks associated with *Mycobacterium bovis* (*M. bovis*) infection in domestic (permanently captive and owned free-range) bovines including cattle (*Bos taurus*, *B. indicus* and *B. grunniens*), water buffaloes (*Bubalus bubalis*) and wood bison (*Bison bison* and *B. bonasus*).

Standards for diagnostic tests are described in the *Terrestrial Manual*.

Article 11.7.2.

Country or zone free from bovine tuberculosis

To qualify as free from bovine tuberculosis, a country or *zone* should satisfy the following requirements:

1. *M. bovis* infection in domestic (permanently captive and owned free-range) bovines including cattle, water buffalo and wood bison is a *notifiable disease* in the country;
2. an on-going awareness programme should be in place to encourage reporting of all cases suggestive of bovine tuberculosis;
3. regular and periodic testing of ~~all~~ cattle, water buffalo, and wood bison ~~herds did not detect~~ demonstrated that *M. bovis* infection was not present in at least 99.8% of the *herds* and 99.9% of the animals in the country or *zone* for 3 consecutive years;
4. a *surveillance* programme should be in place to detect bovine tuberculosis in the country or *zone* through ante-mortem and post-mortem inspection as described in Chapter 6.2.;
5. if the *surveillance* programme described in points 3 and 4 above has not detected infection with *M. bovis* for 5 consecutive years, *surveillance* may be maintained through ante-mortem and post-mortem inspection as described in Chapter 6.2.;
6. cattle, water buffalo and wood bison introduced into a country or *zone* free from bovine tuberculosis should be accompanied by a certificate from an *Official Veterinarian* attesting that they come from a country or *zone* or ~~herd~~ herd compartment free from bovine tuberculosis or comply with the relevant provisions in Article 11.7.5. or in Article 11.7.6.

Article 11.7.3.

Compartment free from bovine tuberculosis (~~under study~~)

To qualify as a *compartment* free from bovine tuberculosis, ~~a herd or herds~~ of cattle, water buffalo or wood bison in a compartment should be certified by the *Veterinary Authority* as satisfying the following requirements:

1. cattle, water buffalo and wood bison ~~in the herd or herds~~:
 - a) showed no sign of bovine tuberculosis or lesions at ante-mortem or post-mortem inspection for at least 3 consecutive years;
 - b) over 6 weeks of age, have shown a negative result to at least two tuberculin tests carried out at an interval of a minimum of 6 months, the first test being performed at least 6 months following the *slaughter* of the last affected animal;
 - c) met one of the following conditions:
 - i) showed a negative result to an annual tuberculin test to ensure the continuing absence of bovine tuberculosis; or
 - ii) showed a negative result to a tuberculin test every 2 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 1% of all *herds* in the country or *zone* during the last 2 years; or
 - iii) showed a negative result to a tuberculin test every 3 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 0.2% of all *herds* in the country or *zone* during the last 4 years; or
 - iiii) showed a negative result to a tuberculin test every 4 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 0.1% of all *herds* in the country or *zone* during the last 6 years;
2. cattle, water buffalo and wood bison introduced into the *compartment* come from a ~~herd~~ compartment free from bovine tuberculosis. This condition may be waived for animals which have been isolated for at least 90 days and which, prior to entry into the *compartment*, were subjected to at least two tuberculin tests carried out at a 6-month interval with negative results.

~~Article 11.7.4.~~

~~Herd free from bovine tuberculosis~~

~~To qualify as free from bovine tuberculosis, a herd of cattle, water buffalo, or wood bisons should satisfy the following requirements:~~

- ~~1. the herd is in a country or a zone free from bovine tuberculosis and is certified free by the *Veterinary Authority*; or~~

2. ~~cattle, water buffalo and wood bison in the *herd*:~~
- a) ~~showed no signs of bovine tuberculosis or lesions at ante-mortem or post-mortem inspection for at least 3 consecutive years;~~
 - b) ~~over 6 weeks of age, have shown a negative result to at least two tuberculin tests carried out at an interval of a minimum of 6 months, the first test being performed at least 6 months following the *slaughter* of the last affected animal;~~
 - e) ~~showed a negative result to an annual tuberculin test to ensure the continuing absence of bovine tuberculosis; or~~
 - i) ~~showed a negative result to a tuberculin test every 2 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 1% of all *herds* in the country or *zone* during the last 2 years; or~~
 - ii) ~~showed a negative result to a tuberculin test every 3 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 0.2% of all *herds* in the country or *zone* during the last 4 years; or~~
 - iii) ~~showed a negative result to a tuberculin test every 4 years to ensure the continuing absence of bovine tuberculosis if the annual percentage of *herds* confirmed as infected with tuberculosis is not more than 0.1% of all *herds* in the country or *zone* during the last 6 years;~~
3. ~~cattle, water buffalo and wood bison introduced into the *herd* come from a *herd* free from bovine tuberculosis. This condition may be waived for animals which have been isolated for at least 90 days and which, prior to entry into the *herd*, were subjected to at least two tuberculin tests carried out at a 6 month interval with negative results.~~

Article 11.7.5.

Recommendations for the importation of cattle, water buffalo and wood bison for breeding or rearing

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that the animals:

1. showed no signs of bovine tuberculosis on the day of shipment;
2. originate from a *herd compartment* free from bovine tuberculosis that is in a country, *zone* or *compartment* free from bovine tuberculosis; or
3. were subjected to the tuberculin test for bovine tuberculosis with negative results during the 30 days prior to shipment and come from a *herd compartment* free from bovine tuberculosis; or
4. have been isolated for at least 90 days prior to entry into the *herd* were subjected to at least two tuberculin tests carried out at a six-month interval with negative results with the second tuberculin test performed during the 30 days prior to entry into the herd.

Article 11.7.6.

Recommendations for the importation of cattle, water buffalo and wood bison for slaughter

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that the animals:

1. showed no signs of bovine tuberculosis on the day of shipment;
2. originated from a ~~herd~~ compartment free from bovine tuberculosis or were subjected to a tuberculin test for bovine tuberculosis with negative results during the 30 days prior to shipment;
3. were not being eliminated as part of an eradication programme against bovine tuberculosis.

Article 11.7.7.

Recommendations for the importation of semen of cattle, water buffalo and wood bison

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that:

1. the donor animals:
 - a) showed no signs of bovine tuberculosis on the day of collection of the semen;
 - b) were kept in an *artificial insemination centre* free from bovine tuberculosis in a country, ~~zone or compartment~~ free from bovine tuberculosis and which only accepts animals from a free ~~herds~~ compartment in a free country, ~~zone or compartment~~; or
 - c) showed negative results to tuberculin tests carried out annually and were kept in a ~~herd~~ compartment free from bovine tuberculosis;
2. the semen was collected, processed and stored in conformity with the provisions of Chapter 4.5.

Article 11.7.8.

Recommendations for the importation of embryos/ova of cattle, water buffalo and wood bison

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that:

1. the donor females:
 - a) and all other susceptible animals in the *herd* of origin showed no signs of bovine tuberculosis during the 24 hours prior to embryo collection;
 - b) originated from a ~~herd~~ compartment free from bovine tuberculosis in a country, ~~zone or compartment~~ free from bovine tuberculosis; or

- c) were kept in a ~~herd~~ compartment free from bovine tuberculosis, and were subjected to a tuberculin test for bovine tuberculosis with negative results during an isolation period of 30 days in the establishment of origin prior to collection;
2. the embryos/ova were collected, processed and stored in conformity with the provisions of Chapter 4.7., Chapter 4.8. or Chapter 4.9., as relevant.

Article 11.7.9.

Recommendations for the importation of fresh meat and meat products of cattle, water buffalo, and wood bison

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which have been subjected to ante-mortem and post-mortem inspections as described in Chapter 6.2.

Article 11.7.10.

Recommendations for the importation of milk and milk products of cattle, water buffalo and wood bison

Veterinary Authorities of importing countries should require the presentation of an *international veterinary certificate* attesting that the consignment:

1. has been derived from animals in a ~~herd~~ compartment free from bovine tuberculosis; or
2. was subjected to pasteurization; or
3. was subjected to a combination of control measures with equivalent performance as described in the Codex Alimentarius Code of Hygienic Practice for Milk and Milk Products.

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