

# Current status of bovine TB/zoonotic TB & Brucellosis [Japan]

Regional Workshop on Zoonotic TB and Brucellosis in the Asia Pacific Region Qingdao, 24-26 September 2024

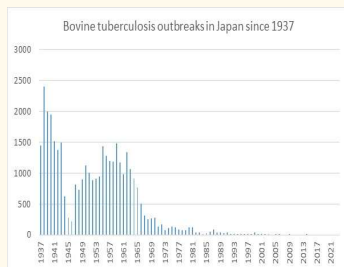
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## Bovine TB/Zoonotic TB

### CURRENT SITUATION

#### 1. In bovine animals

- Japan is free from infection with *M. tuberculosis* complex in bovids (Self-declaration in April 2021)
- Last case: A case was recorded in 2014 (But *M. tuberculosis* complex was not isolated: the case does not meet the case definition in the *Terrestrial Code*. The last time that the causative agent was isolated is in 1999.)
- Vaccine: not approved



#### 3. In human

Japan is one of 'low tuberculosis incidence countries (<10 cases per 100,000 population per year)' defined by WHO

#### 2. In wildlife

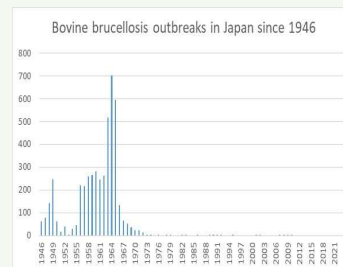
No evidence of infection with *M. tuberculosis* complex

## Brucellosis

### CURRENT SITUATION

#### 1. In bovine animals

- Japan is free from brucellosis in bovinds (Self-declaration in April 2021)
- Last case: A case was recorded in 2010 (But *B. abortus*, *B. melitensis* or *B. suis* was not isolated: the case does not meet the case definition in the *Terrestrial Code*. The last time that the causative agent was isolated is in 1970.)
- Vaccine: not approved



#### 3. In human

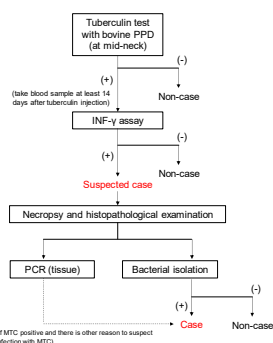
Recently, all human brucellosis cases are imported ones. (except infection with *B. canis*)

#### 2. In wildlife

No evidence of infection with *B. abortus*, *B. melitensis* and *B. suis*

## DIAGNOSIS, SURVEILLANCE, CONTROL

### 1. Diagnosis and Surveillance (for maintenance of freedom)



This case definition is in line with the definition of the occurrence of the disease described in Article 8.12.1.

- Ante- and post-mortem inspection by official veterinarians in all slaughterhouses (in accordance with point 2 of Article 8.12.4. of the *Terrestrial Code*)
- Risk-based active surveillance for imported breeding cattle\*: All cattle are tested with bovine PPD one year after their import once in their lifespans

\* Currently, only Australia and New Zealand are eligible for export of live cattle to Japan

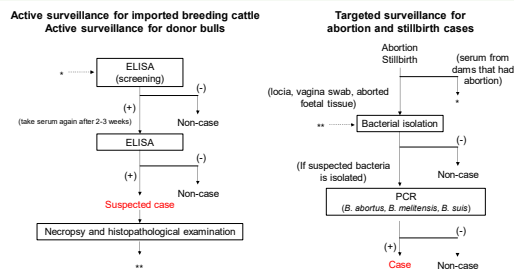
- Active surveillance for donor bulls for AI: All bulls registered as donor animals for semen distribution for AI are tested with bovine PPD once in their lifespans

#### 2. Control

Test and slaughter (Culling with compensation; 4/5 of the estimated market price for suspected case)

## DIAGNOSIS, SURVEILLANCE, CONTROL

### 1. Diagnosis and Surveillance (for maintenance of freedom)



This case definition is in line with the definition of the occurrence of the disease described in Article 8.4.1.

- Risk-based surveillance for abortion and stillbirth cases (in accordance with point 2 of Article 8.4.4. of the *Terrestrial Code*)
- Risk-based surveillance for imported breeding cattle: All cattle are tested one year after their import once in their lifespans
- Active surveillance for donor bulls for AI: All bulls registered as donor animals for semen distribution for AI are tested once in their lifespans

#### 2. Control

Test and slaughter (Culling with compensation; 4/5 of the estimated market price for suspected case)

## ONE HEALTH APPROACH

Information sharing between public health side (i.e. slaughterhouse) and animal health side (i.e. veterinary officers of Livestock Hygiene Service Centres): If a slaughtered animal is diagnosed as a bTB case, the information will be shared with the AH side so that they can implement appropriate control measures.

## CHALLENGES AND WAY FORWARD

#### 1. Challenges

- Continuous import of bovine PPD in low-demand
- Compensation for IFN-γ assay positive cattle (that are culled as suspected cases)

#### 2. Way forward

- Keep the aforementioned surveillance

For more information on measures taken to achieve freedom of bovine tuberculosis, refer to the self-declaration.



## ONE HEALTH APPROACH

As mentioned above, all human brucellosis cases are imported ones (except infection with *B. canis*).

## CHALLENGES AND WAY FORWARD

#### 1. Challenges

- Continuous manufacture of ELISA kit in low-demand
- Compensation for ELISA positive cattle (that are culled as suspected cases)

#### 2. Way forward

- Keep the aforementioned surveillance

For more information on measures taken to achieve freedom of bovine brucellosis, refer to the self-declaration.

