

# Country experiences on bovine TB/ zTB diagnosis, surveillance and control

**Sri Lanka**

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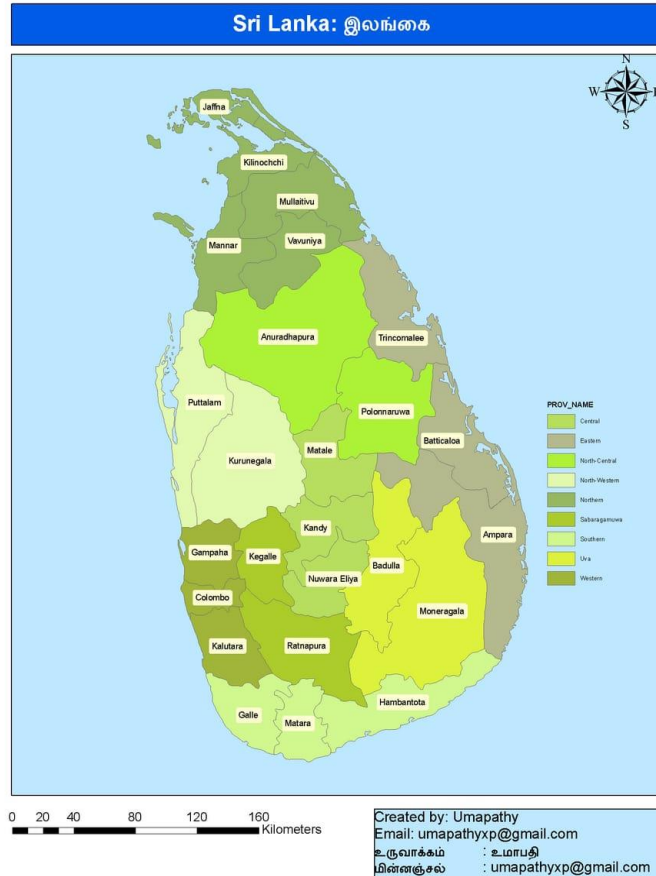
**Veterinary Investigation officer-Polonnaruwa**



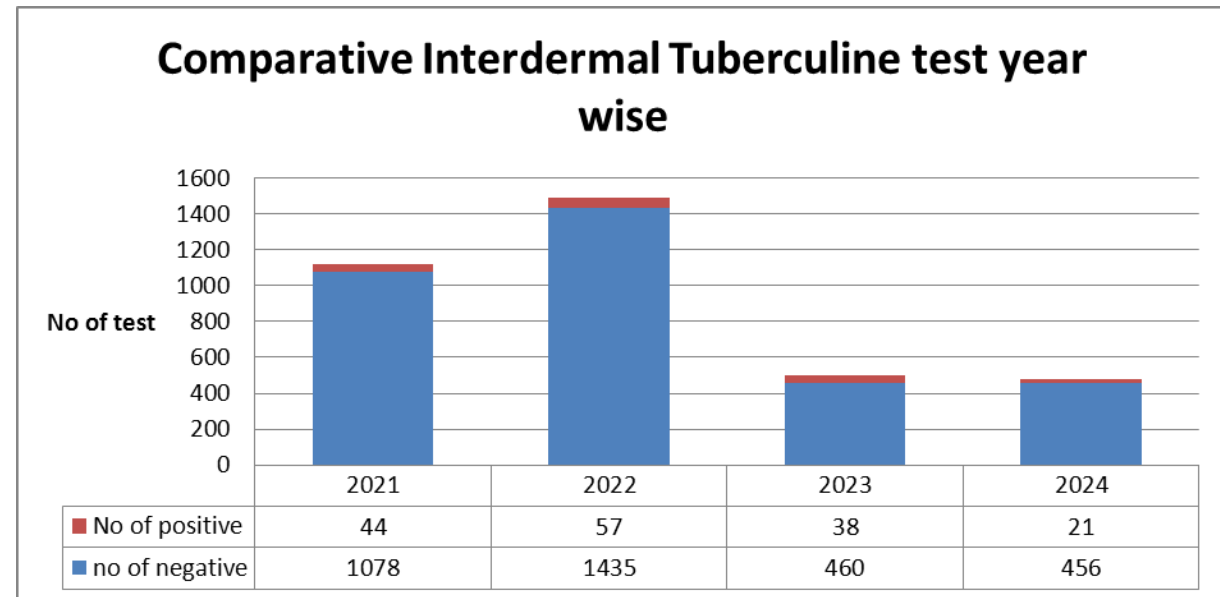
**中国动物卫生与流行病学中心**  
China Animal Health And Epidemiology Center

**WOAH Regional Hands-on Training on  
Zoonotic TB Diagnosis**  
Qingdao, China P.R., 1 – 5 September  
2025





- 2 million Bovine population (2024 annual report DAPH-sri lanka)
- 25 district Veterinary investigation centers  
One center in one district
- Tuberculin skin test (ppd) at field level for screen bovine tb
- *Mycobacterium bovis*



(2024,2023,2022,2021 annual report DAPH-sri lanka)



## Current Diagnostic tests

- Comparative intradermal tuberculin test at field level performed by veterinary investigation officers
- Main lab –Veterinary Research institute in Kandy
  - Culture-(Middlebrook 7h11 agar)- Acid fast staining
  - PCR

## Laboratory Diagnostic Capacity

- Main lab –Veterinary Research institute in Kandy
  - Culture
  - PCR
  - Eliza
  - IGRA(Interferon gamma release assay)



## Disease Surveillance Activities

- Comparative Intradermal Tuberculin test
- Conducted by Veterinary Investigation Officers
- Active surveillance(government farm and semi government farm) and passive surveillance

## Challenges

- Wild Animal - not include to surveillance
- Amount of test performed – Not enough

We hope to improve allocation of testing materials and staff



## Awareness

- Educate farmers and other communities on Bovine tb Symptoms and how to spread

## Meat Inspection

- Condemn infected carcasses

## Test and slaughter

- Identify the infected animal and slaughter

## Quarantine

- when introduce new animal to country

- Import bovine tuberculosis free cattle to country

## Biosecurity

- Prevent contact with wild animal

- Strengthening bio security measures in the farm

## National control plan

- Since 2024



Allocation money to slaughter(compensation mechanism for farmers)

Religious barrier – some are not willing to culling

Not enough human resources

Illegal movements –without health certificate

Lack of a vaccine

Lack of Awareness among farmers

Difficult to separate livestock from wild and domestic animal



- Increase screening no of animal
- improve human resource
- increase availability of test kit

- Improve public awareness
  - about tb symptoms
  - pasteurized milk
  - illegal animal movement
  - culling-infected animal

Elimination plan-

we are nearly start the screening plan(2024) . . . with  
that result we are plan to eradicate bovine . . . tb in  
future



# Thank you!

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