

# Presentation Title: **Challenges and Opportunities for Brucellosis Surveillance and Control**

**Country**

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**National Centre for Animal Health**

**WOAH Regional Training Workshop on Brucellosis Diagnosis**  
**Beijing, China P.R., 5 – 8 August 2025**

**4<sup>th</sup> International Academic Conference on Brucellosis**  
**(5 August)**



Prevalence of 2% as per the national survey conducted in 2017

No vaccination: low efficacy and risk associated

**“Test and Cull”** strategy targeting elimination



*Bovines*



*Wildlife (Takin)*



*Swine*



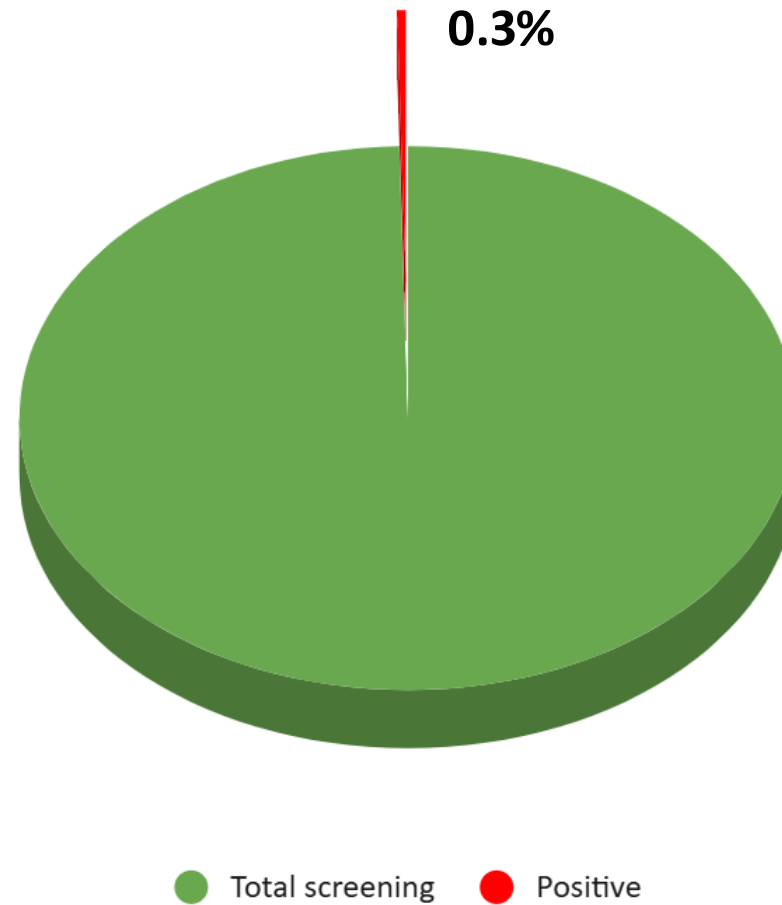
***Bhutan's national goal of eliminating  
bovine brucellosis by 2029  
(Department of Livestock's mission)***



# Testing Result 2024-2025

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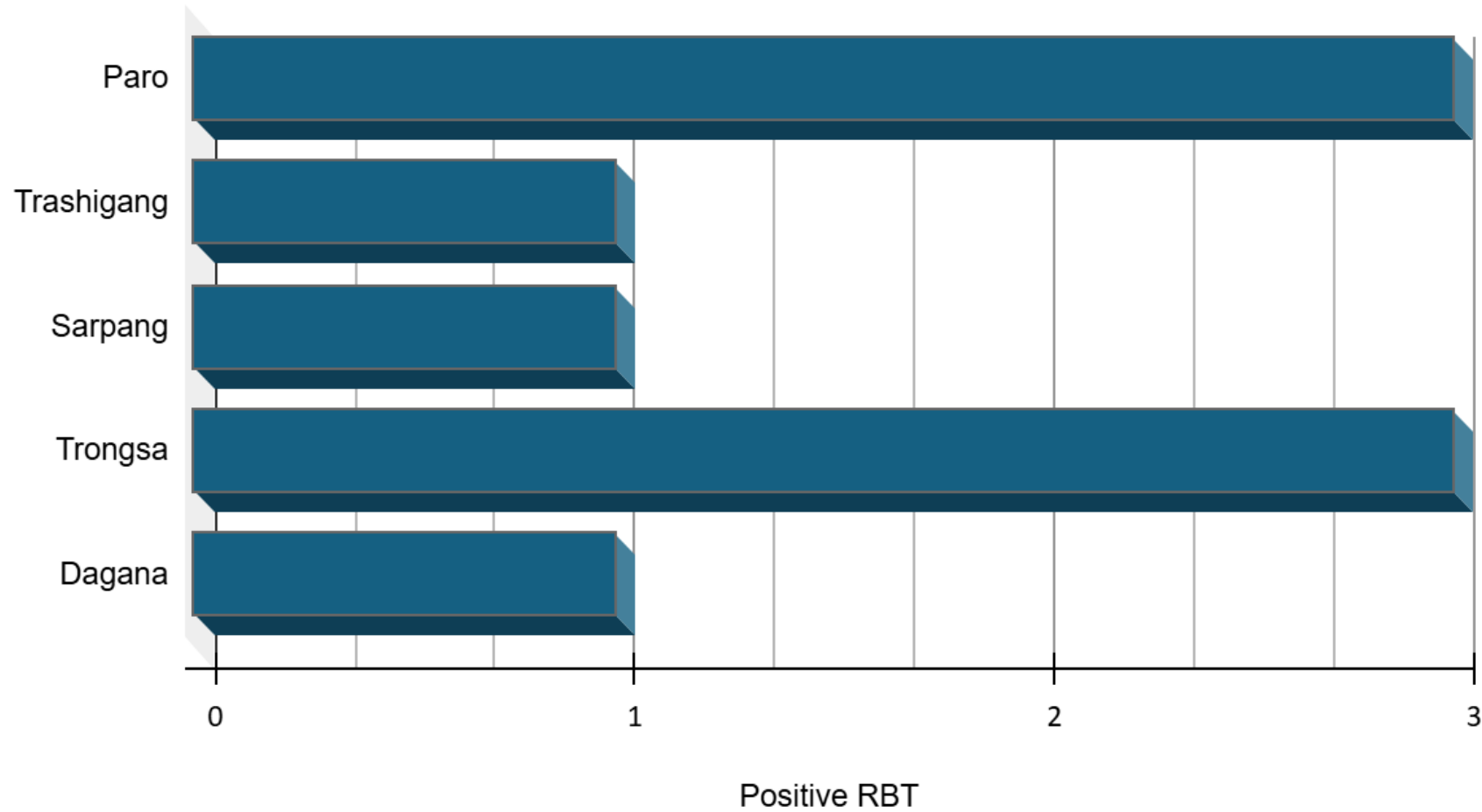
**Total Tested Vs Positive for RBT**





# Testing Result 2024-2025

## RBT Positive District

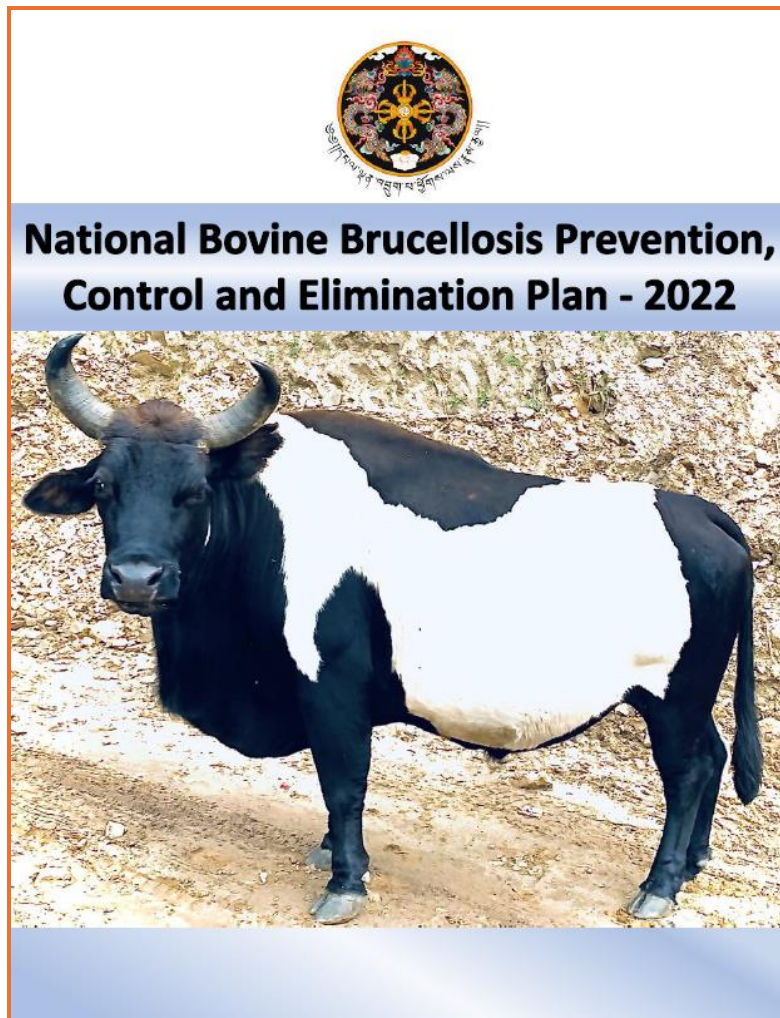


Test Available	Detection	Accessibility
ELISA kits	Antibody	NVL (NCAH), Regional
RBT	Antibody	All Districts



- *Passive Surveillance (RBT Screening from movement permit)*
- *Active Surveillance (Samples in Repository)*
- *Nation wide elimination*





Prevention strategy

**Regulated import of animals**

**Inter/Intra-Dzongkhag movement of animals:** movement permit (health and vaccination certificate)

**Outbreak declaration**

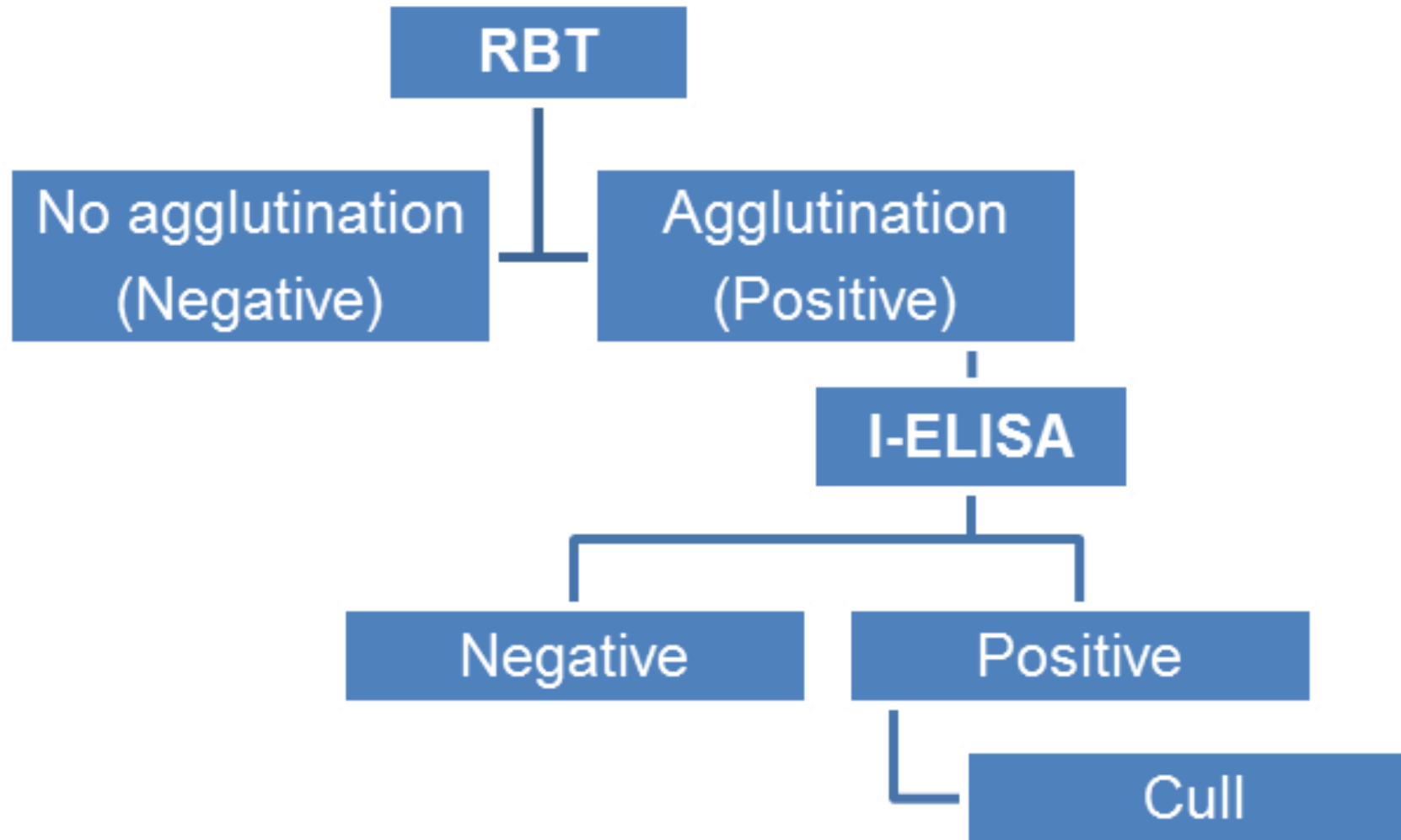
Declaration and impose ban on movement of animals and animal products from the infected farms and other applicable farms based on risk assessment

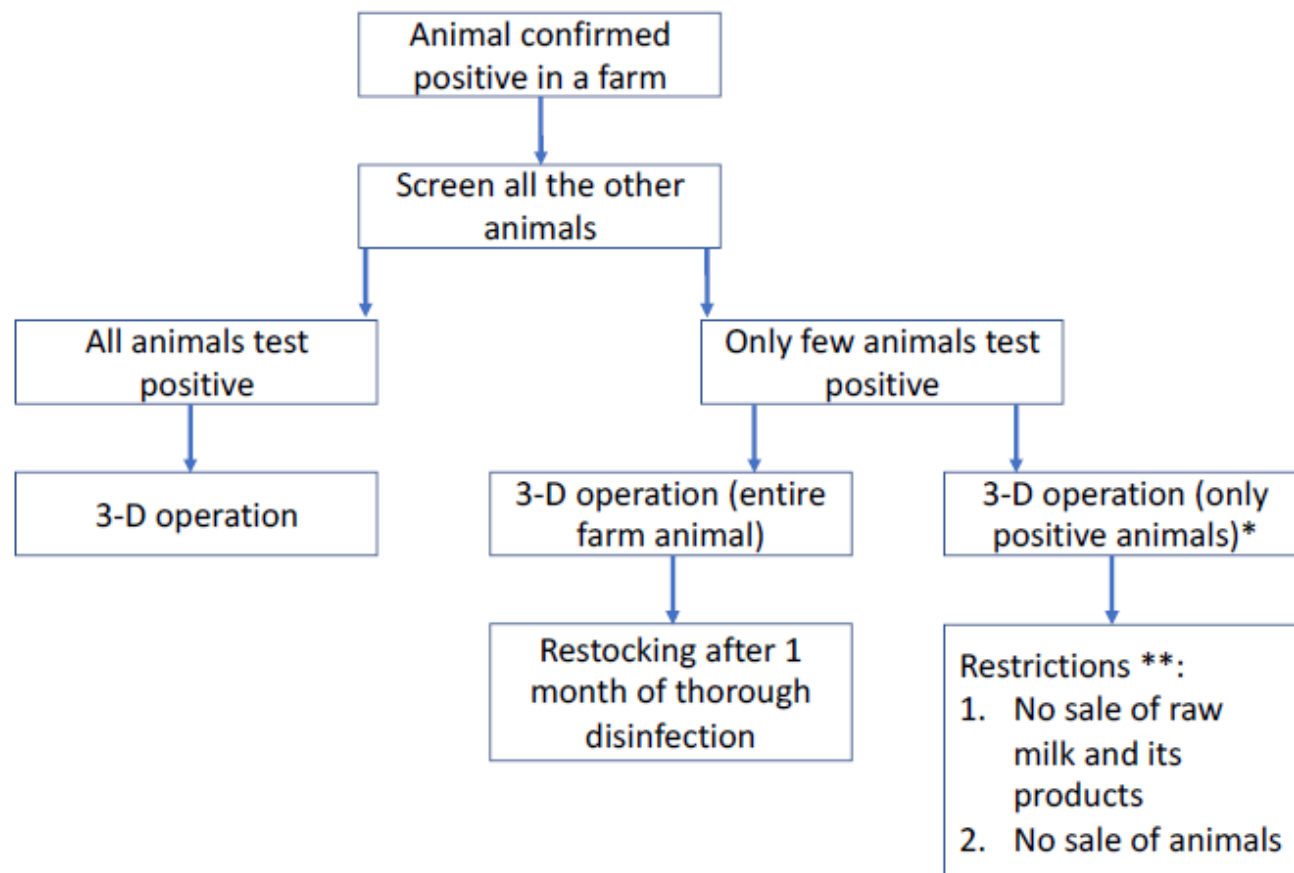




# Outbreak Response Strategy

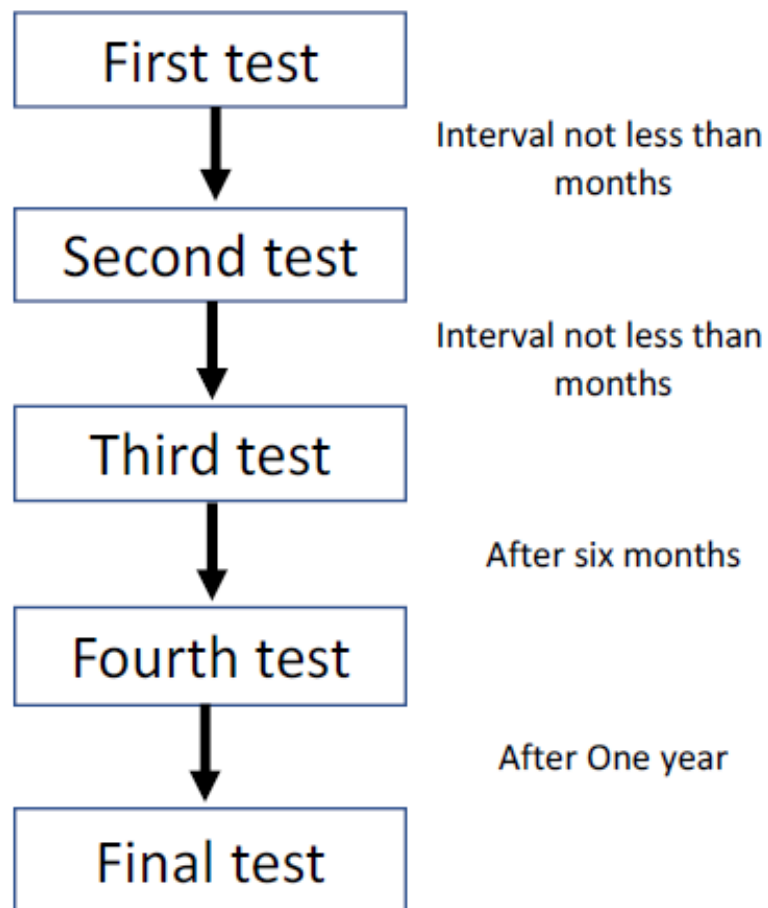
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\*Rest of the animals should be screened as shown in figure 2 to declare farm clean of brucella infection

\*\*Farmers can sell milk after pasteurization to company of processing plants that pasteurizes milk





# Key challenges/issues

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- *Human Resource*
- *Funding*
- *Test Validation*
- *CFT Establishment*
- *Active (Nation wide) and Passive Surveillance (movement permit)*



- Strengthen our national laboratory
- Contribute to regional and global disease surveillance systems
- **Twinning project** (Strengthening laboratory diagnostic capabilities)

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# Thank you!

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