

## ANTHRAX IN ANIMAL

Anthrax is a disease caused by the spore-forming bacteria *Bacillus anthracis*. It causes acute mortality in herbivorous animals and spreads to human (Zoonosis).

### How To Diagnose:



Sudden death with oozing of unclotted blood from nostril in cattle



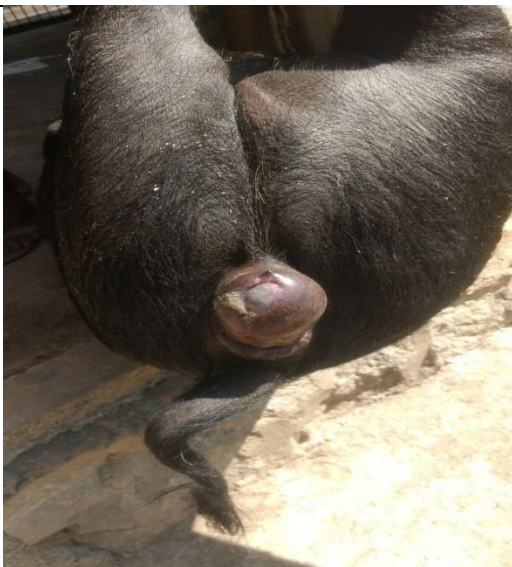
Prolapsed anus with oozing out of blood in cattle



Frothy saliva with tympany and sudden death in goat



Oozing out of blood from nostril in pig



Prolapsed anus in pig

## **Type samples to be collected :**

Blood smear, tissue from ear tips.

## **Laboratory tests to be performed :**

- i. Direct microscopic examination
- ii. Serological test
- iii. PCR

## **Whom To Contact:**

- Local Veterinarian Officer/ Field Assistant.
- ADMaC, Core Lab, AAU, Khanapara, ICARC-NEH, Barapani, CAU, Selesih, Aizaw, Mizoram
  - ◆ Dr Arnab Sen, Email : [arnabsen123@gmail.com](mailto:arnabsen123@gmail.com), Mob no: 08974027632,
  - ◆ Dr. N.N.Barman, E mail: [nnbarman@gmail.com](mailto:nnbarman@gmail.com), Mob No.0943555 8788
  - ◆ Dr Tapan Dutta, Email: [tapandutta@rediffmail.com](mailto:tapandutta@rediffmail.com), Mob no: 09862335294,

## **What will you do:**

- Plug nostrils, anus, mouth with cotton.
- Dispose the carcass by deep burial spraying 10% Formaldehyde, soda, bleaching powder.
- Clean the surrounding with 10% Formaldehyde.
- Send appropriate samples through Veterinary Doctor/Field Assistant to the nearest diagnostic laboratory/ ADMaC Core Lab-I, Khanapara for confirmation of the disease.
- Maintain the personal hygiene and keep farm surrounding clean.
- Arrange to vaccinate cattle, goat and pigs with anthrax vaccine before onset of monsoon. Vaccines will be available at Institute of Veterinary Biologicals, AH & Vety, Khanapara, Guwahati.