

LISTERIOSIS IN GOAT

Listeriosis, a disease most frequently encountered in sheep, goat and cattle, is caused by the pathogenic species of a gram positive intracellular bacteria of the genus *Listeria*. In small ruminants like sheep and goat the typical clinical signs like ataxia, circling movement, head tilt and unilateral cranial nerve deficits are common. The organism can spread to human through meat and milk products.

How To Diagnose:



Affected goat showing high fever initially, depression, decreased appetite, leaning or moving in one direction only.



Head pulled to flank with rigid neck, facial paralysis on one side.

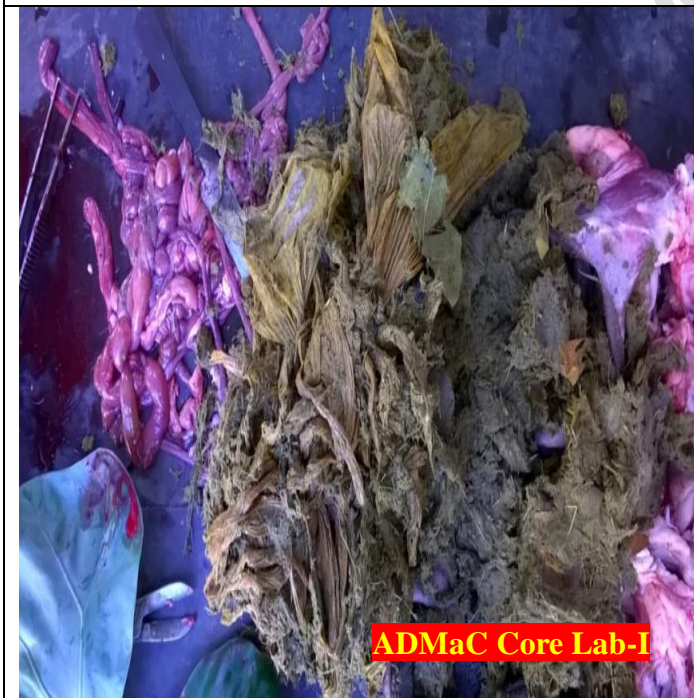


Blindness, slack jaw and drooling of saliva in affected goat.



Source: Internet

Goats grazing in market area and eating garbage, left out food are mostly affected.



ADMaC Core Lab-I

In dead carcass, stomach impacted with polythene bags

Type samples to be collected :

From ailing goats- blood, CSF. In dead animals- brain tissue, spleen, liver, kidney.

Laboratory tests to be performed :

- i. Haematological and CSF examination
- ii. Isolation of bacteria
- iii. PCR
- iv. Histopathology to demonstrate micro-abscess

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, Mob no: 08974027632,
 - ◆ Dr. N.N.Barman, E mail: nbarman@gmail.com, Mob No.0943555 8788,
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What will you do:

- Do not allow goats to move in market places.
- Do not provide spoiled vegetable.
- Separate the affected ones from the healthy.
- Inform nearest Veterinary Doctor/Field Assistant.
- Send appropriate samples through Veterinary Doctor/Field Assistant to the nearest diagnostic laboratory/ ADMaC Core Lab-I, Khanapara for confirmation of the disease.
- Bury dead goats in 5 to 6 feet deep pit putting sufficient amount of common salt/lime or washing soda.
- Affected animals can be treated at fever phase.