

## PRRSV in PIGS

Porcine reproductive and respiratory syndrome (PRRS) is characterized by a marked increase in late-term abortions, stillborn and birth of weak piglets and lowered farrowing rates. In suckling and weaned pigs there is difficult in respiration, coughing and high death rates. The disease is caused by an enveloped, single-stranded, positive-sense RNA virus belongs to the family Arteriviridae.

### How To Diagnose:

 <p>Core Lab -I</p>	<p>The disease began with high rise of body temperature (105–107°F), severe depression, ataxia and complete anorexia in young pigs.</p>
 <p>Core Lab -I</p>	<p>In affected pig reddened patchy lesions on skin particularly in abdomen, inner thigh and tip of ear are observed.</p>

 <p>Core Lab -I</p>	<p>Severely affected pig shows reddening of ears that prominent on outer surface.</p>
 <p>DBT-CSF</p> <p>Core Lab -I</p>	<p>Grower pig manifests reddening of entire skin including ears. Many times ears turn into bluish discoloration.</p>
 <p>Core Lab -I</p>	<p>Affected pig shows difficulty in respiration and coughing.</p>



In postmortem lungs show consolidation.



Pregnant sows were completely anorexic, depressed and showed increased thirst. Affected pregnant sows deliver weak piglets which eventually die shortly.



Affected pregnant sows abort, deliver mummified fetuses and stillbirth.

**Type samples to be collected :**

From ailing pigs-serum and blood. In dead pigs- tissue samples like tonsil, lymph node, spleen, lung tissue, aborted foetus.

**Laboratory tests to be performed :**

- i. Serological test- ELISA
- ii. PCR

## **Whom To Contact:**

- Local Veterinarian Officer/ Field Assistant.
- ADMaC, Core Labs, AAU, Khanapara, ICARC-NEH, Barapani, CAU, Selesih, Aizaw, Mizoram
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## **What will you do:**

- Lock your farm and do not allow pigs to move in and out.
- Separate the affected ones from the healthy.
- Stop selling pork, piglets in the market.
- 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 diagnosis of the disease..
- Bury dead pigs in 5 to 6 feet deep pit putting sufficient amount of common salt/lime or washing soda.
- Spray regularly with 4% washing soda or 4% phenol in the farm surrounding and floor of the pig house.