

## PORCINE CIRCO VIRUS

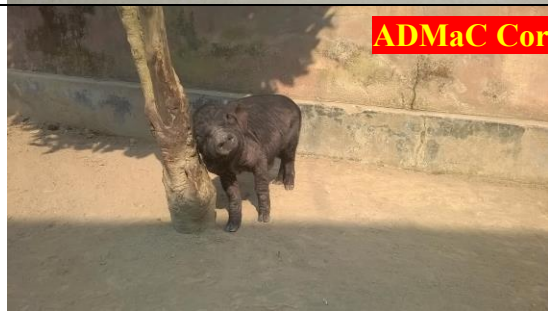
Porcine circovirus associated disease (PCVAD) is caused by PCV2, a small circular single-stranded DNA virus that belongs to the Circoviridae family. In growing pigs, PCV2-infection can be associated with a variety of clinical manifestations commonly systemic illness, enteritis and pneumonia. Porcine dermatitis and nephropathy syndrome (PDNS) has also been linked to PCV2. Non-specific clinical signs including reduced weight gain associated with subclinical PCV2 infection are due to the effect on the immune system.

### How To Diagnose:

 <p>ADMaC Core Lab-I</p>	<p>Extremely emaciated body condition and stunted growth.</p>
 <p>ADMaC Core Lab-I</p>	<p>Affected piglets loss appetite and develop diarrhea.</p>



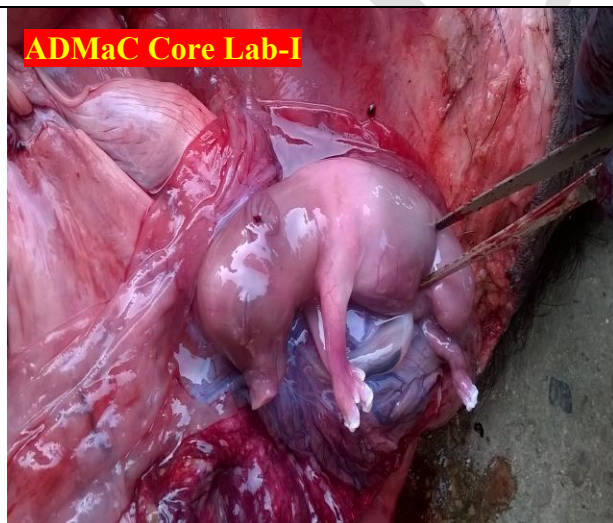
Rough hair coat with folding skin.



Weaner piglets are mainly affected. Affected piglet becomes lethargic, reluctant to move and malaise.



Severely congested and pneumonic lung.



Swine circo virus might also cause abortion in pregnant sows.

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

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

### **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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  - ◆ Dr. N.N.Barman, E mail: [nbarman@gmail.com](mailto:nbarman@gmail.com), Mob No.0943555 8788,
  - ◆ Dr Tapan Dutta, Email: [tapandutta@rediffmail.com](mailto:tapandutta@rediffmail.com), Mob no: 09862335294,

### **What will you do:**

- Lock your farm and do not allow pigs to move in and out.
- Separate the affected ones from the healthy.
- Remove affected stock.
- 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.
- Commercial vaccine for Circovirus can be used.