

# INSTITUTE OF VETERINARY BIOLOGICALS

## Description of Viral vaccines produced at I.V.B.

1. Freeze dried Ranikhet disease(F<sub>1</sub> Strain) vaccine (Live): The vaccine is used to immunize young chicks of 0 to 7 days against Ranikhet disease.

*Dose and route of administration*: One drop of reconstituted vaccine to be placed on each nostril of chick by means of dropper.

2. Freeze dried Ranikhet disease (R<sub>2</sub>B) vaccine (Live) : The vaccine is used in chicken above six weeks of age after primary vaccination of Ranikhet disease.

*Dose and route of administration*: The dose is 0.5ml to be injected subcutaneously.

3. Freeze dried Duck Plague vaccine(Live): The vaccine is used in ducklings above 6 week of age against duck plague disease.

*Dose and route of administration*: The dose is 0.5ml to be injected subcutaneously.

4. Freeze dried Swine fever vaccine(Lapinised, Live): The vaccine is used for active immunization of swine from unweaned stage to adult stage against swine fever.

*Dose and route of administration*: 1 ml of reconstituted vaccine subcutaneously for all category of animals irrespective of age, breed and sex.



R.D. F1 vaccine vial



R.D. F1 vaccine vial



D.P. vaccine vial



Swine Fever(lapinised) vaccine vial

## **Description of Bacterial vaccines produced at I.V.B.**

1. Anthrax spore vaccine (Live): The vaccine is intended for use as prophylactic agent against Anthrax in cattle, Buffalo, sheep, goat, horses, camel, elephant etc.

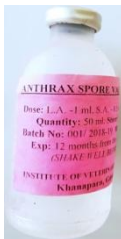
*Dose & route of administration:* Dose is 1ml to be injected subcutaneously for all animals. However, in case of elephant, additional dose of 3ml should be given after an interval of one month.

2. Black Quarter(B.Q.)vaccine: Vaccine is intended for use as prophylactic agent against B.Q. Disease in calves above six month to one and half year of age.

*Dose & route of administration:* 5ml to be injected subcutaneously.

3. Haemorrhagic Septicemia(H.S.)Vaccine(Alum Precipitated): The vaccine is intended to use in cattle, buffaloes, pigs, sheep, goat etc as a prophylactic agent against H. S. disease.

*Dose & route of administration:* Cattle & Buffalo 5ml; Pig & sheep 2ml subcutaneously.



Anthrax vaccine bottle



B.Q. vaccine bottle



H.S. vaccine bottle

Besides the vaccines produced in house, the Department also procures some vaccines under different Programmes.

## **Description of vaccines Procured under different Programmes**

- 1. FMD Vaccine:** Used to immunize all cloven footed animals against Foot & Mouth Disease.  
*Dose & Route of administration:* 2ml deep intra-muscular.
  
- 2. Peste des petites ruminants (PPR) Vaccine:** Used to immunize sheep & goat above 2 months of age against PPR.  
*Dose & Route of administration:* 0.5 ml subcutaneously.
  
- 3. Goat Pox vaccine:** Used to immunize goat above 3 months of age against Goat pox.  
*Dose & Route of administration:* 1 ml subcutaneously.
  
- 4. Enterotoxaemia Vaccine:** Used to immunize sheep & goat against Enterotoxaemia.  
*Dose & Route of administration:* 2 ml subcutaneously, booster dose should be given 15 days after  
primary vaccination.
  
- 5. H.S. & B.Q. combined vaccine:** Used to immunize cattle, buffalo and calves against H.S. & B.Q.  
*Dose & Route of administration:* cattle & buffalo- 2 ml; for calves- 1ml subcutaneously.