

# **Killed Vaccine Handling; Dosing & Administration-Beef**

Being one of the factors that affect the animal rearing, health of the animal determines the quality and quantity of the products obtained from the animals.

Success of killed vaccine depend on animal's ability to respond to the vaccine, proper handling and administration of the vaccine as well. Killed vaccines are put in bottle basing on needed dose amount.

## **Vaccination administration**

First killed vaccine is a ready to use vaccine which require no mixing and in this protect it from heat, sunlight as well as extreme cold of freezing temperature when storing. Store in refrigerator between 35 and 40 degrees fahrenheit and during administration store field syringes in a cooler that block sunlight and protect from extreme temperatures.

Similarly avoid administration when cow is wet or dirty and before vaccine usage, gently shake or roll the bottle to evenly distribute the components in the vaccine. As you use one hand to put the bottle at an angle, hold syringe in the other hand and insert needle into centre of rubber stopper. Move top of syringe into bottle to draw a desired dose of vaccine and after, remove needle from bottle and remove air from syringe.

Before administration, restrain the animal and locate the injection site below the nuchal ligament in front of the shoulder and away from lymph node. Make sure area is clean and clear of debris.

Furthermore for subcutaneous injection, use a new sterile needle and after determining the site pull the the skin of the

animal's neck out to create a tent where needle is placed at its base while being sure not to angle towards muscle. Deliver vaccine remove needle and release the skin.

After vaccination, clean syringes with boiling water and do not use disinfectants. Use a multi dose syringe on same product every time and label each syringe to indicate its contents.

Finally for best results, killed vaccine should be used when opened and properly dispose off any needles in accordance with regulation.