

# VACCINE REACTION



**Bem-estar Animal**  
**MARFRIG**

TAKE GOOD CARE OF YOUR HERD

# STAY ALERT



 **Marfrig**

# VACCINE REACTION

What is it?

It is a yellowish secretion (pus), usually the result of the reaction of the application of vaccine or medication on the animal. The type of vaccine (aqueous or oily medium) used, or the procedure applied by the farmer, can directly interfere with the appearance of this secretion.



Image 1 – Pus

## Problems caused

During the slaughter of the animals, it is necessary to remove the muscle that is in contact with the pus. This will generate a loss for the rancher, who will lose the weight that is removed from meat (on average 400 g per reaction) (Images 2); you will lose the meatpacking plant that will have to mis-characterize or discard the cut of meat; you will lose the consumer who may find the pus in some portions.

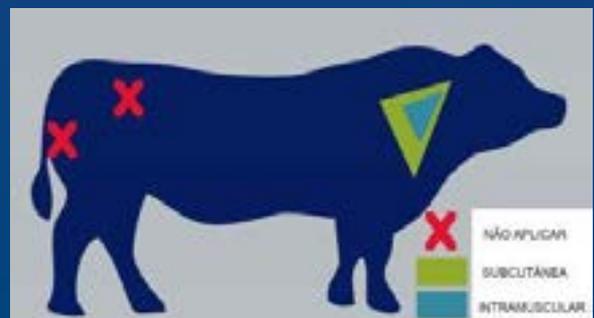


Image2 – Loss for the farmer, slaughter house, and in some cases, impact the consumer.

## What should be done to avoid it?

What should be done to avoid it?

- To prevent this from occurring, some practices must be implemented in vaccination, such as: adoption of good hygiene actions, such as washing hands with soap and water before applications;
- Sterilize materials, such as pistols and needles, before using (preferably boiling in water for five minutes);
- Allow to dry and then store in a clean location;
- Be careful with the hygiene in the location where the vaccines will take place, always protecting the vials from the sun and in a refrigerated environment from 2 to 8º C.
- Always observe the validity of the medication;
- Do not let the vaccine freeze;
- Respect the recommendations on the label or package information leaflet;
- Take care with the type of needle and its condition:
- Subcutaneous application / aqueous vaccine: 10x15 needle
- Subcutaneous application / oily vaccine: 15x18 needle
- Intramuscular application / oily vaccine: 30x15 needle
- Be careful with the application site, depending on the type of vaccine and the positioning of the needle (maintain it tilted and always with the needle pointing down);
- Fold the skin before applying subcutaneous vaccines;
- Apply vaccines only to animals that are in good health.
- Vaccination avoids the need to use antibiotics.



## Consequence of reusing materials:

The reuse of syringes and needles can result in serious risks for the manipulator in addition to influencing the effectiveness of the medicines.

Syringes can lead to errors in the dosage of the medicine, as they may show wear and tear on the scale, loss of the manufacturer's label and leakage of air and liquid through the plunger.

Needles lose skin-piercing efficiency causing pain during administration, since the lubrication (silicone) is lost during the first manipulation. Crooked needles can be broken during the application of medication, running the risk of the material being lodged in the internal part of the muscle, in addition to microbial contamination originating from the leftover fluids inside the reused needle already having caused its clogging.

Before sterilization, dispose of crooked, broken, rusty and blunt needles.

## Recommendations:

- Work with the smallest possible group of animals on the premises;
- Contain the animal in the individual restraint, in the best possible way for application;
- Assure materials of use and environment (facilities) are clean, organized and well maintained;
- Walk the track/route where the animals will be taken to check to prevent possible accidents with the animals;
- When the activities are completed, move the animals back without any separation; if possible, offer a supplement as a form of reward;
- Dispose of needles and product packaging safely and in a manner that minimizes environmental impacts, avoiding the risk of accidents and diseases;
- After sterilizing the needles and cleaning the application equipment, keep them in a clean place (on paper towels) and store them after they dry.



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