

# BIMEDA COSECURE LAMB BOLUS APPLICATOR INSTRUCTIONS



## DO'S ✓

- Do** only use a Cosecure oesophageal applicator.
- Do** remove the boluses from the box and foil packaging the night before use, and store at room temperature.
- Do** warm each bolus to body temperature, prior to inserting into lambs by placing a few boluses inside of clothing pockets.
- Do** adhere to the administration rate of one bolus per lamb weighing under 30kg BW which are ruminating and over 6 weeks of age (10 weeks in smaller breeds). Not suitable for sheep over 30kg BW. Refer to product packaging and data sheet for complete administration information.
- Do** wear gloves when handling the boluses, to reduce the risk of contact allergy.
- Do** mark the lambs with a coloured spray or chalk on their back or head to indicate that they have been bolused (in case groups are mixed).
- Do** store in a dry place. Once the package has been opened, if not used the next day, store unused boluses in the plastic tray in the original packaging, in an airtight container.
- Do** protect boluses from frost.
- Do** only use Cosecure boluses in cases where there is a **proven copper deficiency**. Only use when the copper and selenium levels in the diet is known. If in doubt, please consult your veterinarian.

## DO NOT ✗

- Do not put boluses in water before use**
- Do not** insert cracked, damaged or broken boluses into lambs.
- Do not** freeze.
- Do not** administer any aids to alter dissolution of the bolus.
- Warning: Copper Toxicity In Sheep & Lambs**  
There is increased risk of copper toxicity associated with housed sheep & lambs and certain sheep breeds.
- Do not** use Cosecure or Coselcure boluses in sheep/lambs housed or to be housed when the product is still active.
- Do not** use Cosecure or Coselcure boluses in continental breeds and Blue Faced Leicester's which are more prone to copper toxicity.
- Do not** administer until the animals are ruminating
- Do not** administer to lambs less than 6 weeks, (or administer until the animals are ruminating). In the case of smaller breeds, the dosing of lambs may have to be delayed until 10 weeks of age.
- Do not** administer additional copper orally or by injection, or selenium by injection, within 6 months of administration unless subjected to a risk/benefit analysis performed by a responsible veterinarian in each case.

## REGURGITATION

Sheep belong to the ruminant classification of animals. Ruminants are characterised by their four-chambered stomach and "cud-chewing" behaviour. The cud is a lump of food that is regurgitated, re-chewed, and re-swallowed. Due to this normal behaviour it is possible for a small number of boluses to be regurgitated from sheep & lambs and found at a later date in the field.

To limit the regurgitation of boluses:

- ensure that the boluses are warmed prior to insertion,
- ensure to keep the head and neck straight during bolus administration,
- ensure that the lamb has swallowed the bolus,
- administer the boluses into lambs with an empty stomach,
- calmly hold the lambs in the pens for 1-2 hours after insertion, with access to water.



# HOW TO ADMINISTER COSECURE LAMB BOLUSES

## STEP 1 - WARM THE BOLUS

- Remove boluses from foil pack and ensure they are at body temperature before administering.
- We recommend removing the boluses from all packaging (including the foil and plastic) the night before. Prior to administration place the boluses inside your pockets close to your body. Never place boluses in warm or hot water.
- The boluses use unique soluble glass technology which means that they are sensitive to sudden changes in temperature such as may happen when very cold boluses are swallowed by the animal.
- Failure to ensure the boluses are warmed prior to administration may result in the development of fine cracks which can alter the activity of the bolus and increase any risk of regurgitation.

## STEP 2- INSERT THE BOLUS INTO THE APPLICATOR

- Insert the bolus completely into the head of the applicator until the push rod is engaged.
- Only use a Cosecure oesophageal applicator.
- To prevent the bolus falling out of the applicator, ensure the flat edge of the bolus is placed against the ridged edge in the applicator.

## STEP 3 - INSERT BOLUS WITH CARE

- Bolusing, like the use of any oral applicator, can damage the throat if rushed or carried out without care.
- If the lambs jaw or mouth seems too small or offers resistance, do not proceed. Wait for a few weeks or seek advice from your veterinarian or animal health advisor.
- Stand to the side of the animal and catch the animal by the jaw.
- Open the mouth by placing a hand into the side of the mouth.
- Place the bolus end of the applicator into the centre of the lamb's mouth to the back of the tongue gently and squeeze the trigger.
- The bolus should release easily. If resistance is felt the position of the applicator should be adjusted until the bolus releases easily.
- Ensure that the animal swallows the bolus. The swallow reflex should happen easily. Proper application appears like the sheep is having a double swallow.
- If the swallow reflex does not occur easily, the administration may not be over the back of the tongue and the technique will need to be adjusted carefully.
- The distance as to how far the applicator goes back into the animal's mouth, is the same length as the length of the nose to the eye of the animal. Use this as a guide only.
- The stem of the applicator should be straight down the centre line of the head and the trigger handle held upright.

