



This will revolutionize the livestock practices

Castration with Lidoband™

Castration with an innovative band that delivers lidocaine through the skin

lidoband™

Developed by Solvet™



Why?

Castration is among the **most common management procedures** performed in the dairy, beef cattle and sheep industries and is mainly performed by surgery or elastic banding. Castration by banding is simple, bloodless, inexpensive, produces fewer complications and can be performed in a high-throughput manner.

Despite the various benefits of castration, all methods produce pain and distress: short term discomfort when the band is applied, as well as significant long-term pain as the scrotal tissue necroses due to lack of blood flow.

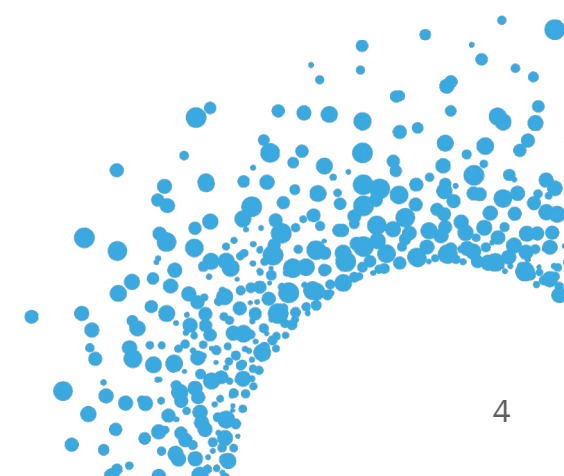
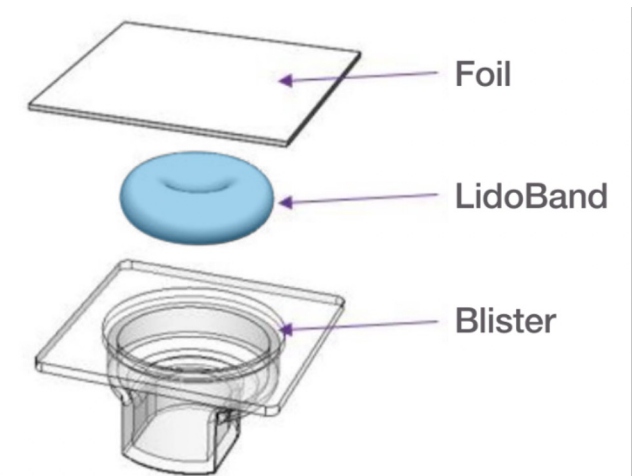
Therefore, a **castration method** that can be performed by the producer and also **delivers lidocaine** over an extended period of time without the need for anesthetic injections represents a **significant advancement in band castration**.

What is Lidoband?

Lidoband, a novel **lidocaine-impregnated elastrator** developed for livestock production, aims to address the pain and discomfort associated with band castration by delivering lidocaine* quickly.

By utilizing advanced technology, Lidoband provides **lasting lidocaine effects** for the duration of the procedure, which offers enhanced comfort to the animals during the process.

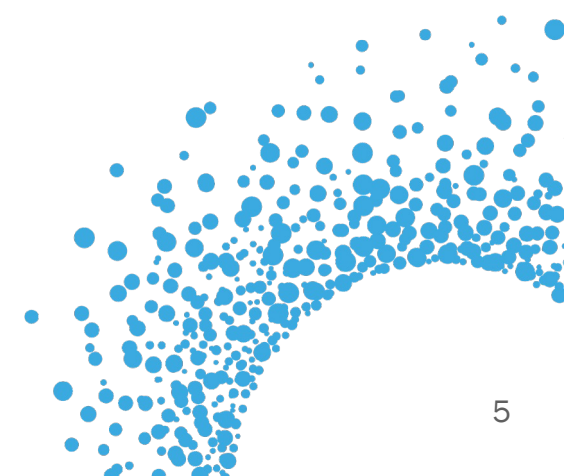
*Lidocaine: Well-known local anesthetic that blocks sodium channels, preventing nerve impulses. It has a rapid onset (5-10 minutes) but short duration. It is widely studied, has low toxicity, and is approved for nerve blocks in cattle and sheep in the USA. It is also commonly used off-label for local anesthesia before elastrator placement.



Active Ingredient

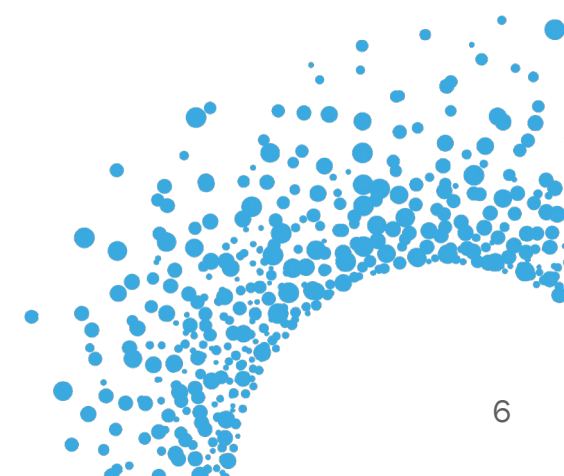
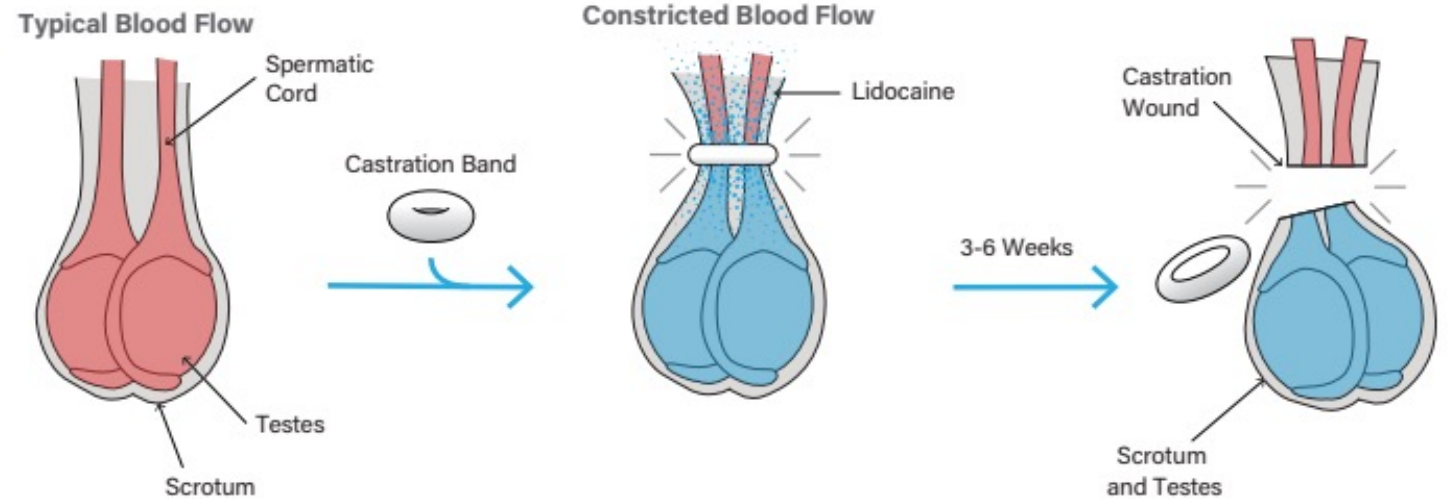
The Lidoband contains **80 mg of lidocaine** and a skin permeation enhancer, allowing the anesthetic to seep from the band into the tissue.

The use of Lidoband delivers lidocaine into scrotal tissues as fast as **2 hours and for up to 42 days**. This approach avoids surgery or the administration of injections, which would also decrease the time and handling costs for the producer.

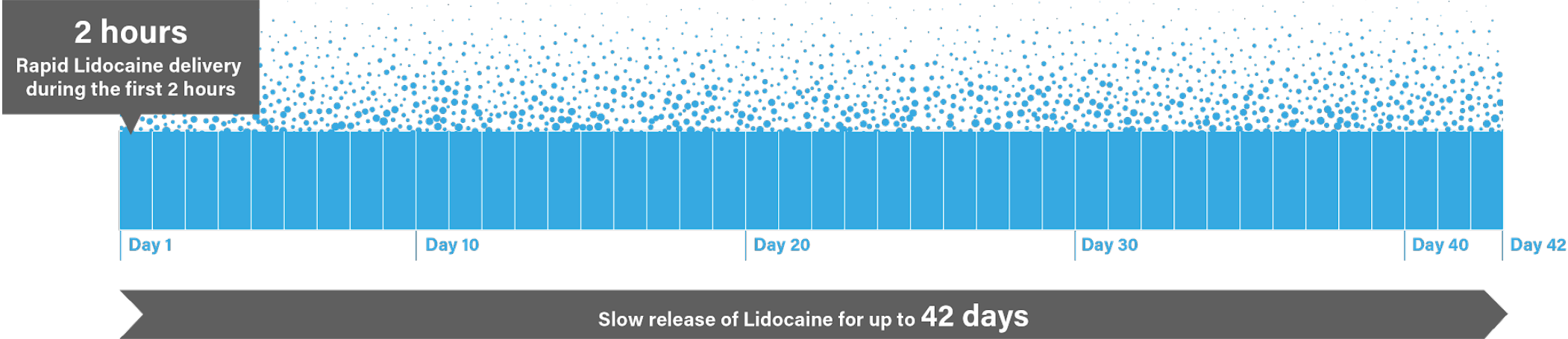


How it Works

- After applying Lidoband, a **localized anesthesia** is delivered and remains effective for up to 42 days.
- After **3 to 6 weeks** of reduced blood circulation, the **testes fall off** on their own.

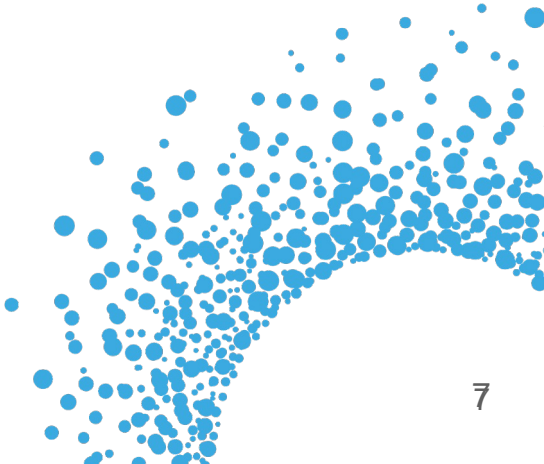


Lidoband Lasting Effect



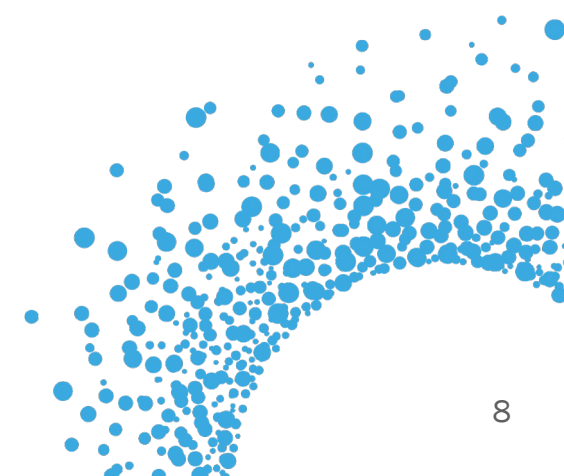
Rapid lidocaine delivery during the first 2 hours

Slow release of lidocaine for up to 42 days



Benefits

- Castration of calves up to 250 pounds and lambs up to 50 pounds.
- Improved animal welfare.
- Delivery of local anesthesia during castration.
- Lidoband delivers local anesthesia from 2 hours up to 42 days post-application.
- No injections to be performed when using Lidoband.
- Castration leads to increased Average Daily Gain (ADG).
- Comes in an easy-to-use blister to avoid touching the band.
- Bloodless castration.
- Prevent tail, scrotal and navel wound fly strike.
- No injections to be performed.



FAQ

What age of the animal (lamb/calf) can this be used on?

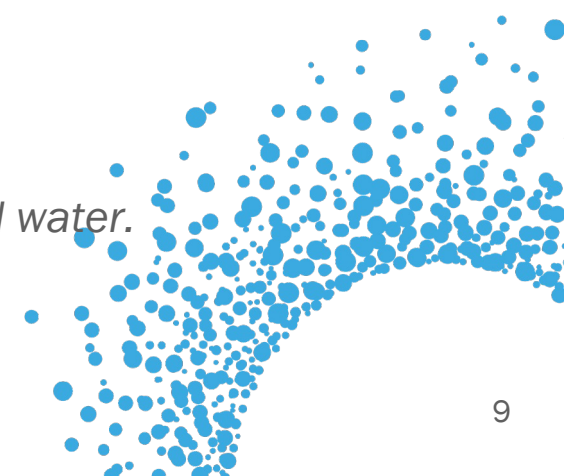
- *Lidoband can generally be used on animals (lambs/calves) from day 1 of birth up to 3 weeks old. However, it is important to follow the specific weight indications mentioned on the packaging for proper usage.*

What equipment is needed?

- *To use Lidoband, you will need an elastrator applicator, gloves, and chemical safety goggles. It is important not to touch the band with bare fingers. Remember to wear gloves when applying the Lidoband. Additionally, use a commercial band applicator (not included) to apply the Lidoband. Any unused bands should be poured back into the jar.*

What Personal Protective Equipment (PPE) is needed?

- *It is crucial to always wear protective gloves while handling the Lidoband.*
- *If skin comes in contact with Lidoband, wash the affected area immediately with soap and water.*



FAQ

What weight can this be used up to?

- *The Lidoband can be used on calves up to 250 pounds and lambs up to 50 pounds.*

What happens if the Lidoband falls off?

- *In the event that the Lidoband becomes dislodged, we suggest replacing it with a new band. However, it is important to note that the band is unlikely to fall off unless it has been broken due to excessive strain caused by the applicator device.*

Is Lidoband approved by FDA?

- *This drug has not been found by FDA to be safe and effective, and the product labeling has not been approved by FDA.*

Is Lidoband a unique product?

- *Yes, in fact it's patented in the USA (U.S. Patent #: 11,596,510)*

