



# numnuts®

Targeted pain relief for marking

Tail docking and castration cause lambs acute pain. End users of wool and sheep meat are becoming increasingly sensitive to animal welfare issues and it would be sensible if the Australian sheep industry adopted measures to help alleviate marking pain.

**“If you are currently doing nothing in terms of pain relief during lamb marking, then it is time to start doing something.”**

*Dr Allison Small BVM&S | CSIRO*

Acute lamb marking pain can be reduced by injection of local anaesthetic, but until now this demanded a second procedure, slowing down the marking operation unacceptably.

The problem has been overcome by **Numnuts®**. A new, ergonomically designed tool which provides pain relief to testicles

and tails at marking time. Numnuts® applies elastrator rings over the tail and scrotum while simultaneously injecting an optimal dose of **NumOcaine®** local anaesthetic. Operator safety, speed and ease of application all at (reasonably) low cost have been the key drivers when developing the product.

### NumOcaine® and Quick Change Cartridge (QCC)

Tamper-proof QCC and 100 mL bottle (65 procedures) are supplied as a single unit to speed up changeovers.

### Fluid Junction

Changing the fluid junction each season reduces infection risk. O-rings degrade with UV, annual replacement ensures 'sticky free' injections for thousands of cycles.

### Needle

Regular changeover of the high quality, stainless steel needle reduces infection risk and reduces animal discomfort. Replacement is recommended after every 2nd NumOcaine bottle. Needles specific for Numnuts are available at [www.numnuts.store](http://www.numnuts.store)



### 2-Stage Injector

This injector dispenses NumOcaine, only when the needle has been moved to the correct location. Targeting a specific area for the biggest effect.

### Numnuts® Device\*

Ergonomically designed for the professional farmer or marking contractor. Engineered to be a robust 'accident-proof' tool lasting over 100,000 ring applications.

\* Numnuts device and spares are available at [www.numnuts.store](http://www.numnuts.store)

## Numnuts® Pioneers

During development of the device, we have worked closely with farmers in Australia to constantly improve the design and engineering. In 2018, Numnuts® was used on several properties and over 15,000 lambs.



*Farmer* Jodie Green  
*Property* Aloeburn (NSW)  
*Type* Family Farm  
*Breed* Poll Merino  
*No./ of Lambs* 5,500



*Farmer* Scott Dixon  
*Property* Wyvern (NSW)  
*Type* T.A. Fields Pty Ltd  
*Breed* X-bred  
*No./ of Lambs* 4,000



*Farmer* Michael Craig  
*Property* Tuloona (VIC)  
*Type* Family Farm  
*Breed* Merino  
*No./ of Lambs* 5,800

Numnuts  
Development  
Collaborators



**More information**  
[www.numnuts.store](http://www.numnuts.store)