



Aloeburn Poll Merinos (NSW): Jodie & Andy Green used Numnuts on 3000 lambs in 2018

numnuts®

Targeted pain relief for tail docking and castration

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QUICK VETS GUIDE



What is Numnuts?

Numnuts is a new method for fast, targeted pain relief when marking lambs with rubber rings.

Indications

Tail docking and castration of lambs from 2 to 12 weeks of age in accordance with industry best practice guidelines for sheep husbandry.

Pain Relief

Numnuts alleviates pain for up to 60 minutes after marking. Animal trials show that pain-related behaviours are significantly reduced in the first half hour when pain is most intense. Speed and success of mothering up are also improved. Like most other pain relief methods used in farm animals, some animals may still show signs of residual pain.

How It Works

Numnuts is a hand-held tool enabling injection of local anaesthetic at the same time as rubber ring application.

Advantages

By combining two procedures into a single tool, Numnuts is quick and efficient to use. The tool ensures accurate injection of a metered dose into the tissues where the anaesthetic will be most effective. Its ergonomic design minimises operator strain and fatigue.

Drug

NumOcaine is an S4 class drug, 2% lignocaine hydrochloride (Mavlab) APVMA No. 87460/118755

Dosage

A metered dose of 1.5 mL NumOcaine per procedure is dispensed by the tool. Female has 1 dose to the tail. Male lambs 2 doses, one to the tail and one to the scrotum.

NumOcaine® Presentation

Starter pack with Single Bottle & Cartridge (100mL), Multipack x8 bottles & Cartridge. 65 procedures per bottle.

Supply

As an S4 drug, NumOcaine must be supplied to veterinary clients with instructions for use. The applicator is available in the Starter Pack or can be purchased by the client on-line.

Training

Vets should advise clients on drug safety and risks of adverse effects. Full user instructions are supplied with the Numnuts tool. Specialist training is not required.

Safety

NumOcaine has a very wide safety margin and is approved for injection in volumes up to 60mL in sheep. The contents of the bottle cannot be accessed via needle and syringe. The

needle is automatically withdrawn into the tool between procedures to minimise the risk of needle stick injuries.

Availability

A limited release of Numnuts in Australia is scheduled for June 2019, with general release in 2020 once full manufacturing capability comes online. The drug is readily available through Vet Wholesale channels. Numnuts will be launched in UK and NZ in 2020.

Efficacy Trials

Efficacy was established in trials conducted by CSIRO and University of Melbourne in 2017 and on commercial properties in NSW and Victoria.

Development Story

Numnuts has been developed by the Scottish engineering design company 4c Design with funding from MLA, AWI and the Moredun Foundation, with veterinary advice from CSIRO and Moredun Research Institute. Animal studies have been conducted in Australia and Scotland by CSIRO and Moredun Research Institute. Numnuts is being brought to market by Senesino Ltd.

More information
www.numnuts.store