

## LOPAINE® 2%

### Local Anaesthetic

#### Product:

An aqueous solution of 20mg/ml (2%) lignocaine hydrochloride, an amide type local anaesthetic 100ml 250ml & 500ml.

#### Action:

Lignocaine achieves its anaesthetic effect by stabilising the membrane of sensory nerve cells. The cellular membrane permeability is decreased, preventing the diffusion of potassium and sodium ions which stimulate the action potential and transmission of impulses. The sensation of pain is removed.

#### Indications:

Local, regional, and epidural anaesthesia.

Lignocaine may be used by infiltration technique to desensitise tissues in preparation for surgery.

For diagnostic nerve blockade.

For dehorning and develvetting procedures.

#### Dosage:

The dosage required depends on the area to be anaesthetized.

Suggested dosages. (Refer to various texts on anaesthesia for further recommendations.)

#### Cattle:

Low epidural	4-6ml
High epidural (Recumbency occurs)	up to 60ml
Local infiltration	up to 200ml s/c
Dehorning	5-10ml
Paravertebral	10-20ml per nerve

#### Horses:

Specific nerve blockade	10-20ml
Local infiltration	up to 200ml s/c

#### Sheep:

Epidural	5-10ml
Local infiltration	up to 50ml

#### Dogs:

Specific nerve blockade	1-2ml
Local infiltration	up to 30ml s/c
Epidural	1ml/4-5kg

#### Precautions:

Avoid inadvertent intravenous administration.

Use with caution in patients on beta-adrenergic blocker medication. (Delayed metabolism.)

#### Comment:

Lignocaine has been used in the emergency treatment of ventricular cardiac arrhythmias in dogs. An intravenous dose of 2mg/kg every 20-30 minutes has been used, or a loading dose of 2mg/kg has been followed by 50µg/kg/min given by continuous infusion.

(R B Atwell, Pharmacological Basis of Therapeutics, Proc.198, July 1992, University of Sydney.)

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NoA5419

**RESTRICTED VETERINARY MEDICINE**

Lopaine®2%

For Animal Treatment Only

