

Lidocaine

Active Ingredient:

Lidocaine

Route of administration:

Subcutaneous (nerve block)

Dosage calculations:

Concentration- 2% = 20mg

Dose- 1mg/kg

Cow 1- no. 295

Weight = 80 Kg

$(1 \times 80)/20 = 4\text{mls per side}$

Note- right side of calf was given 8mls after initial nerve block didn't work

Total = 12ml

Cow 2- no. 276

Weight= 100kg

$(1 \times 100)/20 = 5\text{mls on each side}$

Note- both sides were given 2 sets of 5ml

Total= 20mls Subcutaneous (nerve block)

Toxic Dose:

Dose= 10 mg/kg

Cow 1

$(10 \times 80)/20 = 40\text{mls}$

Cow 2

$(10 \times 100)/20$

= 50mls

Withdrawal time- Milk and meat = 36hrs from last treatment

Usage- Lidocaine is a local anesthetic used for infiltration anaesthesia or nervous blockage.

