**Drugs used in post-op**

Ketoprofen V

Concentration: 100mg/ml

dosage: 3 mg/kg (1.5 mL/50 kg body weight) by intravenous or intramuscular injection.

L-Arginine, citric acid and benzyl alcohol are the active ingredients of this drug

Uses: Used to manage mild to moderate pain in dehorning, arthritis, musculoskeletal injuries, fever, mastitis, udder oedema and mastitis. It is also known to reduce inflammation.

Contraindication: Don’t use on animals that are hypersensitive to ketoprofen as well as animals that have poor renal function

Side effects: Can mask the signs of gastrointestinal issues since it is a potent analgesic. It can affect antimicrobial. Overdosing cattle may cause inappetance, depression, icterus, recumbency and abdominal swelling

Calculations: Weight of calf- 120kg

Volume= dosage x weight/concentration

= 3mg/kg x 120kg/100mg/ml= 3.6ml

NOTE: This drug can also be used with lidocaine in pre-operative care which eliminates the need for using this drug in post-operative care due to the increase of analgesic effects the drug combination has



Meloxicam

Active ingredients: Mannitol, Sorbitol, Aspartame

Use: Primarily used to treat pain after dehorning and castration

Contraindication: Not recommended in animals with gastrointestinal disorders, hypersensitivity, renal function and haemorrhagic disorders. Don’t use on animals that have been severely dehydrated, hypovolemic or hypotensive

Concentration: 0.5mg/ml

Dosage: 0.5 mg/kg (Subcutaneous or intravenous drug administration routes are utilized)

Calculations: Weight of calf-120kg

Volume=dosage x weight/concentration

= 0.5mg/ml x 120kg/0.5mg/ml= 120ml



Tetanus antitoxin

This can be administered to prevent the occurrence of tetanus which is a common complication of dehorning. The dosage can range from 500-1,500IU with the effects lasting between 10-14 days; the drug can be administered in the subcutaneous layer.

