# DRUG CALCULATIONS

Volume = (Weight X Dose) / Concentration => V = (w X D ) / c

Weight of cow 500kg

# SEDATION

1. Xylazine (20mg/ml) @ dose of 0.02 mg/kg

V = (500 x 0.02)/20 = 0.5 mls

1. Ketamine (10mg/ml) @ dose of 0.04 mg/kg

V = (500 X 0.04)/10 = 2 mls

1. Butorphanol (C) @ dose of 0.01mg/kg

V = (500 x 0.01)/C = X mls

1. Acepromazine (C) @ dose of 0.025 mg/kg

V= (500 x 0.025)/C = Y mls

# ANALGESIA

1. Flunixin meglumine (50mg/ml)@ dose of 1 mg/kg

V = (500 x 1)/ 50 = 10 mls

# ANTIOBIOTICS

1. Penicillin/ streptomycin 200,000 IU/ml @ dose = 22,000IU/kg

V = (500 x 22,000)/ 200,000= 55mls

# EMERGENCY DRUGS

1. Atropine ( C mg/ml) @ dose = 0.04mg/kg

V = (500 x0.04)/ C = Z mls

# LOCAL ANAESTHETIC

1. Lidocaine (20mg/ml)

For teat block: 5 – 10 mls of 20 mg/ml Lidocaine was used to provide adequate anaesthesia in the teat