DRUG TABLE FOR DEHORNING

ID: 153 Gender: Female Weight (W): 250kg Age: 2 – 2.5 years

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Drug | Concentration © (mg/mL) | Dosage (D) (mg/kg) | Volume Administered (mL) = D\*W/C | Route | Time  | Effect | Toxic Dose (mL) | Total Volume Given (mL) | WithdrawalTime(days) |
| Xylazine | 2% (20) | 0.025 | 0.3125 | IV | 3:01pm | Sedative |  | 0.3125 | 3 (meat), 2 (milk) |
| Lidocaine | 2% (20) | 10 (0.8) | 10 mL per site | SC  |  3:10pm | Analgesia | 125 | 20 |  2 |
| Flunixin | 50 | 1.1 | 5.5  | IV (SLOW) |  3:04pm | NSAID’s |  | 5.5 |  --- |
| Pen/Strep | 200,000 | 20,000 | 25 | IM on Gluteal Muscles |  3:05pm | Antibiotic |  | 25 |  21 |
| Tolazoline | 100 | 0.05 | 0.125 (not administered) | IV (slow) | --------- | Emergency Reversal |  | --------- |  30 |

Toxic Dose of Lidocaine 2% is 10mg/kg

Therefore calculated toxic dose is 10\*250/20 = 125 mL

Thus, the maximum volume of Lidocaine 2% that could be given to this animal is 125 mL

Lidocaine:

0.8 x 250/ 20 = 10 mL per site

Xylazine:

0.025 x 250/ 20= 0.3125 mL

Pen-strep:

20,000 x 250 / 20,000= 25

**EMERGENCY DRUG**

Tolazoline:

0.05 x 250/ 100= 0.125 mL