Dosage Calculations   
Large Animal Surgery  
Laboratory Practical 2- Analgesia

Formula

= Vol (ml)

Table of Dosage Calculations For a 355 Kg sheep

|  |  |  |  |
| --- | --- | --- | --- |
| Drug | Concentration (mg/ml) | Dosage (mg/Kg) | Volume (ml) |
| Analgesic Agents | | | |
| Xylazine | 20 | 0.025 | 0.04 |
| Lidocaine\*  PPB\*\*  Epidural  IV Regional | 20  20  20 | 5  0.2  2 | 8.88  0.36  3.55 |
| Flunixin | 50 | 1.1 | 0.78 |
| Reversal/Emergency Drugs | | | |
| Tolazamine | 100 | 0.05 | 0.02 |
| Atropine | 0.54 | 0.04 | 2.63 |
| Epinephrine | 1.0 | 0.02 | 0.71 |

\* Dosage for Cattle- derived values subsequently adjusted to: PPB & IV Regional **(2.5 ml Lidocaine :2.5ml Saline**) Epidural(**1ml Lidocaine : 2ml Saline**)

Fluid Therapy Calculations

Formula

= drops/sec

= **1.97,**