**DRUG TABLE Used for Castration (Open method)**

Animal # 168 Gender – Male BCS – 3 Weight (W) – 100kg

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| **Drug** | **Concentration ©** | **Dosage (D)** | **Volume Given (DxW/C)** | **Route** | **Time Given** | **Effect** | **Toxic Dose** | **Total volume given** |
| Xylaxine | 2% (20mg/mL) | 0.05 mg/kg | 0.25 mL | IV (jugular) | 3:42pm | Sedative |  | 0.25mL |
| Lidocaine  | 2% (20mg/mL) | 0.2 mg/kg | 1.0 mL per site (x5) = 5mL | Multiple sites of the testes |  | Analgesia | 10mg/mL | 5 mL |
| Combikel ©  | 200,000 IU | 300,000 IU | 30 mL | IM (gluteal muscles) |  | Prophylactic Abx |  | 30 mL |
| Flunixin | 50mg/mL | 1.1 mg/kg | 2.2 mL | IV (SLOW) |  | NSAID’s |  | 2.2 mL |
| Tolazaline | 100mg/mL | 0.05mg/kg | 0.05 mL |  IV (SLOW) |  | Reversal Drug |  |  |

Toxic Dose of 2% Lidocaine is 10mg/kg

Thus the toxic limit in this bull calf of weight 100kg is

 100\*10/20 = 50mL

Thus the total amount of Lidocaine that can be given should be less than 50mL.