Large Animal Surgery
Laboratory Practical 2- Analgesia

Formula

$\frac{Dose(\frac{mg}{Kg}) x weight (Kg)}{Drug Concentration (\frac{mg}{ml})} $ = Vol (ml)

Dosage Calculations For a 355 Kg sheep

**2% Lidocaine HCl**

$\frac{6\*(\frac{mg}{Kg}) x 35.5 (Kg)}{20(\frac{mg}{ml})} $ = 10.65 (ml)

\*A dose of 6mg/Kg recommended by – ***Techniques in Large Animal Surgery- Edited by Dean A Hendrickson pg 8.***

**Atropine (Emergency)**

$\frac{0.04(\frac{mg}{Kg}) x 35.5 (Kg)}{0.54(\frac{mg}{ml})} $ = 2.63 (ml)

Other emergency drugs that can be used  ***Diazepam-0.5mg/Kg***