CRI with Ketamine 10%, Xylazine 2%and Lidocaine 2%

Formula: M=DMV/Rx 16.67

Fluid rate= 5ml/kg/hr = 5ml x 48.6 kg/hr = **243ml/hr**

If 1min = 60 secs……then…..60 min( i.e 1 hour)=60 secs/1min x 60min = **3600 secs**

Therefore: 243ml/hr/3600 secs = 0.0675ml/sec **= 0.07ml/sec**

**For drip rate**

If 1ml = 20 drops….then….0.07ml= 20drops/1ml x 0.07ml= **1.4 drops / sec** or **3 drops /2 secs**

**Drugs**

**Xylazine** = 0.66mcg x 48.6kg x 1000ml/243ml/hr x 16.67 = 7.92mg

If 20mg = 1ml…..then…7.92mg = 7.92mg/20mg = 0.396ml = **0.4ml**

**Ketamine** = 66mcg x 48.6kg x 1000ml/243ml/hr x 16.67 = 791.8mg

If 100mg = 1ml…..then…791.8mg = 791.8mg/20mg = 7.918ml = **7.92ml**

**Lidocaine** = 20mcg x 48.6kg x 1000ml/243ml/hr x 16.67 = 239.95mg

If 20mg = 1ml…..then…239.95mg = 239.95mg/20mg = 11.99ml =**12 ml**

20ml of solution was removed from a 1L bag of sterile saline solution before the drugs were added.