Assuming an average cow weighing 700kg:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Drug | Dose rate  (mg/kg) | Concentration  (mg/ml) | Dosage  (ml) | Route of  Administration | Withdrawal  Time |
| Xylazine | 0.05 | 20 | (0.05\*700)/20  = 1.75ml | IV/IM | Meat – 10d  Milk – 5d |
| Ketamine | 0.5 | 100 | (0.05\*700)/100  = 3.5ml | IV/IM | 0d |
| Ampicillin | 10 | 400 | (10\*700)/400  = 17.5ml | IM/SC | Meat – 6d |