Calf’s weight: ~ 50 kg

* Epidural dose

|  |
| --- |
| Lidocaine |
| Dose | 0.2 mg/kg |
| Concentration  | 2%  |

Calculated dose or volume of drug to be administered would then be

* $\frac{weight of animal ×dose}{concentration }$
* $\frac{50 ×0.2 }{20}$= 0.5 ml Lidocaine

0.5 ml is a very small dose, therefore it was then combined with 1.5 ml of 0.9 % saline solution, to form 2 ml of a combined saline and lidocaine solution.