Xylazine

Volume = Weight x Dose

Concentration

Weight of calf #315 = 50 kg

Dosage of Xylazine = 0.025mg/kg

Concentration of Xylazine = 20mg/ml

Volume = 50kg x 0.025mg/kg   = 0.0625ml\* (1.25mls administered)  
                     20mg/ml

Given such the small amount of drug needed at a 20mg/kg concentration the supervising veterinarian instructed that the concentration be calculated to a 1mg/ml solution.

Volume = 50 x 0.025   = 1.25mls  
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