Tolazoline for Xylazine Reversal

Volume = Weight x Dose

Concentration

Dosage is 2-4 times the dosage of Xylazine

Weight of calf #315 = 50 kg

Dosage = 0.25mg/kg

Concentration of Xylazine = 100mg/ml

Volume = 50kg x 0.25mg/kg   = 0.125ml\*   
                     100mg/ml

Given such the small amount of drug, supervising veterinarian instructed to dilute with 1ml of saline. Thus;

Volume = 1.1ml (mixture of 1ml of saline + 0.1ml of Tolazoline) administered slow IV.

Calf head was raised 10 seconds after administration. After 3 minutes calf was alert standing well and drinking water.