

$$\textcircled{39} \frac{\text{mL}}{\text{Dose}} \left| \frac{1 \text{ mL}}{100,000 \text{ U}} \cdot \frac{25000 \text{ U}}{\text{Kg/day}} \cdot \frac{\text{Day}}{6} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{100 \text{ lb}}{\text{Pt}} = \frac{2500,000}{1320,000} = 1.8939 \Rightarrow 1.9 \text{ mL Dose}$$

$$\textcircled{40} \frac{\text{mL}}{\text{Dose}} \left| \frac{1 \text{ mL}}{330 \text{ mg}} \cdot \frac{500 \text{ mg}}{\text{Dose}} = \frac{500}{330} = 1.51515 \Rightarrow 1.5 \text{ mL Dose}$$

$$\textcircled{41} \frac{\text{mL}}{1^{\text{st}} \text{ Dose}} \left| \frac{5 \text{ mL}}{250 \text{ mg}} \cdot \frac{100 \text{ mg}}{\text{Kg}} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{38 \text{ lb}}{\text{Pt}} = \frac{1900}{550} = 34.5454 \textcircled{A} \Rightarrow 34.5 \text{ mL } 1^{\text{st}} \text{ Dose}$$

$$\textcircled{42} \frac{\text{mL}}{\text{f. Doses}} \left| \frac{5 \text{ mL}}{250 \text{ mg}} \cdot \frac{50 \text{ mg}}{\text{Kg/day}} \cdot \frac{\text{Day}}{3} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{38 \text{ lb}}{\text{Pt}} = \frac{9500}{1650} = 5.7575 \textcircled{B} \Rightarrow 5.8 \text{ mL for each following, doses.}$$

$$\textcircled{43} \frac{\text{mg}}{1 \text{ hr.}} \left| \frac{50 \text{ mg}}{\text{Kg/Day}} \cdot \frac{\text{Day}}{24 \text{ hrs}} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{38 \text{ lb}}{\text{Pt}} = \frac{1900}{52.8} = 35.9848 \Rightarrow 35.98 \text{ mg}$$

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$$\textcircled{44} \frac{\text{mg}}{1 \text{ hr}} \left| \frac{50 \text{ mg}}{\text{Kg/Day}} \cdot \frac{\text{Day}}{3 \text{ Doses}} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{38 \text{ lb}}{\text{Pt}} = \frac{1900}{6.6} = 287.8787 \textcircled{C} \Rightarrow 287.88 \text{ mg every 8 hrs. All is given in 1 hr.}$$

$$\textcircled{45} \frac{\text{mL}}{1^{\text{st}} \text{ Dose}} \left| \frac{5 \text{ mL}}{1 \text{ mg}} \cdot \frac{0.06 \text{ mg}}{\text{Dose}} = 0.3 \text{ mL Dose} \textcircled{A} \quad \frac{\text{mL}}{\text{PRN}} \left| \frac{5 \text{ mL}}{1 \text{ mg}} \cdot \frac{0.01 \text{ mg}}{\text{PRN}} = 0.05 \text{ mL PRN Dose} \textcircled{B}$$

$$\textcircled{46} \frac{\text{mL}}{\text{Dose}} \left| \frac{5 \text{ mL}}{125 \text{ mg}} \cdot \frac{5 \text{ mg}}{\text{Kg/Day}} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{27 \text{ lb}}{\text{Pt}} \cdot \frac{\text{Day}}{4} = \frac{675}{1100} = 0.613636 \Rightarrow 0.6 \text{ mL Dose}$$

$$\textcircled{47} \frac{\text{mL}}{\text{Dose}} \left| \frac{5 \text{ mL}}{62.5 \text{ mg}} \cdot \frac{12.5 \text{ mg}}{\text{Kg/Day}} \cdot \frac{\text{Day}}{4} \cdot \frac{1 \text{ kg}}{2.2 \text{ lb}} \cdot \frac{44 \text{ lb}}{\text{Pt}} = \frac{2750}{550} = 5 \text{ mL Dose}$$

$$\textcircled{48} \frac{\text{mL}}{\text{Dose}} \left| \frac{1 \text{ mL}}{250 \text{ mg}} \cdot \frac{375 \text{ mg}}{\text{Dose}} = \frac{375}{250} = 1.5 \text{ mL Dose}$$