Dosage Calculation: Acute MI

Shayla M.

① $\frac{174 \text{ lbs}}{2.2} = \boxed{79.1 \text{ kg}}$

② $\frac{500 \text{mL}}{25{,}000 \text{units}} \times \frac{18 \text{units}}{1 \text{kg}} \times \frac{1 \text{kg}}{2.2 \text{lbs}} \times \frac{174 \text{lbs}}{1 \text{hr}} = \boxed{28.5 \text{ mL/hr}}$

③ $\frac{250 \text{mL}}{25 \text{mg}} \times \frac{1 \text{mg}}{1{,}000 \text{mcg}} \times \frac{12 \text{mcg}}{1 \text{min}} \times \frac{60 \text{min}}{1 \text{hr}} = \boxed{7.2 \text{ mL/hr}}$

④ $12 \text{ mcg} + 5 \text{mcg} = 17 \text{ mcg}$

$\frac{250 \text{mL}}{25 \text{mg}} \times \frac{1 \text{mg}}{1{,}000 \text{mcg}} \times \frac{17 \text{mcg}}{1 \text{min}} \times \frac{60 \text{min}}{1 \text{hr}} = \boxed{10.2 \text{mL/hr}}$

⑤ $\frac{500 \text{mL}}{2 \text{hr}} = \boxed{250 \text{mL/hr}}$

⑥ $\frac{1 \text{mL}}{5 \text{mg}} \times \frac{20 \text{mg}}{1} = \boxed{4 \text{mL}}$