

Answer on Question #54521 – Chemistry – Other

Question:

The recommended adult dose for penicillin is 200 mg PO Q6H.

What would the dose be for a 2yr-old infant? (Use Fried's rule to complete the problem.)

Solution:

Formula:

$$\text{Child dose} = \left(\frac{\text{Age of child in month}}{150 \text{ lbs}} \right) \text{Average adult dose.}$$

The dose for a 2yr-old infant is

$$\text{Child dose} = \frac{24}{150 \text{ lbs}} 200 \text{ mg} = 32 \text{ mg.}$$

Answer: 32 mg.