



Calculating IV Solution Concentration
 <u>Example 1</u> You have an IV preparation of 500 milligrams of lidocaine HCL (Xylocaine) in 5% D/W. The final solution has a volume of 250 ml. You realize that the IV solution contains mg of lidocaine HCL per ml.
To find the mg/ml:
Step 1 – Write down the amount of drug added as the numerator Step 2 – Write down the volume of the solution in the denominator Step 3 – Perform the math
Step 3 Step 1 500 mg = 2 mg Step 2 250 ml ml
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