



## Calculations used for Verifying Pipette Calibration

$$\text{Mean Weight} = \frac{\text{sample replicate 1} + \text{sample replicate 2} + (\text{etc.})}{\text{Number of Replicates}}$$

$$\text{Mean Volume (Corrected Mean)} = \text{Mean Weight} \times \text{ZFactor}$$

$$\% \text{ Inaccuracy} = [(\text{Corrected Mean} - \text{True Value}) \div \text{True Value}] \times 100$$

$$\% \text{ CV (Coefficient of Variation)} = (\text{Standard Deviation} \div \text{Corrected Mean}) \times 100$$