

How to implement quality management

Alt-text Figure 14 - Accurate pipetting diagram

Illustration indicating the accuracy in different tip immersion depth and angle. Effects of immersing the tip too deeply and tilting the pipette are greater with small sample volumes e.g. using 1-10 uL pipette. 1) Pipette held vertically, tip immersed about 1 cm into the liquid = inaccuracy 0.2-0.4%. 2) Pipette held vertically, tip immersed about 3 cm into the liquid = inaccuracy 0.6-0.8%. 3) Pipette held at a 30-40 degree angle, tip immersed about 3-4 cm into the liquid = inaccuracy 1-12%