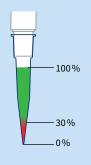
10 steps to becoming a pipetting pro



The right combination of pipette and tip

Use the optimum volume range 1 For maximum precision, use the upper volume range of a pipette. We recommend switching to a smaller volume variant for volumes below

30% of the nominal volume.



Preparatory steps

łł 5x

3

Perform a temperature equalization

The pipette, tip, and liquid should be set

equalization ~ 2h). If this is impossible, do

Pre-wet the air cushion

into the air cushion.

To saturate the air cushion, each

new tip should be pre-wetted. This

minimizes the evaporation of liquid

not saturate the air cushion and change

the tip after dispensing each volume.

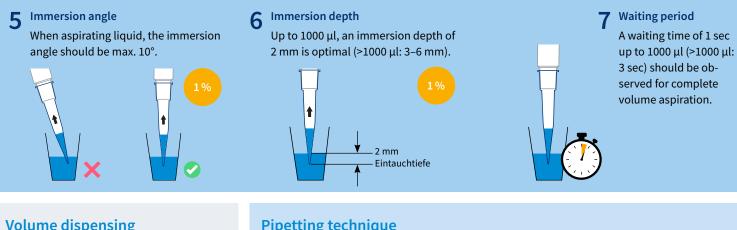
to the same temperature (temperature



Fit of the tips

Make sure that the tip is firmly in place and leak tight. The best results are achieved with original tips from the pipette manufacturer.

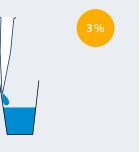
Volume absorption



Volume dispensing

Wipe during volume delivery 8

Wiping on the vessel wall (over 8-10 mm) ensures that the complete volume is dispensed.



Pipetting technique

Uniform pipetting rhythm 9

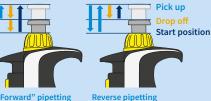
Uniform pipetting ensures consistent results. Here, the targeted hitting of the 1st stroke with constant force, speed and rhythm are crucial.

Note:

The use of electronic pipettes reduces the individual influence of the user.

Start 1. Stop 2. Stop

pipetting.



Choose the right pipetting technique 10 "Forward" pipetting is particularly suitable for aqueous solutions. When pipetting problematic liquids (e.g. viscous, volatile, foaming), higher precision is achieved by reverse

Percentages correspond to the highest standard values of ISO 8655 for possible measurement deviations due to the respective influencing factor.

