

Instructions for using the Pipette Checkit®

rev. 17L12

The Pipette Checkit PRO has three precision glass capillaries for evaluating your pipette at the top (100%), middle (50%), and bottom (10%) of its range.

Caution: Always wear personal protective equipment (PPE), including goggles.

Operation: Place the Checkit on a level surface. All three wells should be in the extended horizontal position. Peel back the foil covering the reservoir of dye (measuring liquid). Set your pipette to each of the three volumes and follow the steps below. For example, on a 20 μ L Checkit, you can set the pipette volume to 2 μ L, 10 μ L and 20 μ L.

FILL IT: Draw dye into the pipette tip. See *Figure 1*.

Optional: pre-wet the tip.

DISPENSE IT: Pipette the dye into the well corresponding with the volume to be checked. See *Figure 2*. **It is crucial that the dye stays in the center of the well**, particularly for the smaller volume wells. This can be achieved by touching the pipette

tip to the well and following along the slope of the side for center. Avoid introducing air bubbles or splashes dispensing the dye.

FLIP IT: Using your finger tip, as shown in *Figure 3*, flip up the well you just filled with dye to a mechanical stop, so that it is perpendicular to the table top. The droplet will automatically be drawn into the measurement capillary.

CAUTION: Flicking quickly may cause the dye to jump out of the well and lifting too slowly may prevent all of the liquid from entering the capillary.

CHECK IT: Within a few seconds, all of the dye will travel into the capillary. Use the scale printed on the Checkit PRO cartridge to determine dispensed volume, as indicated by the measurements. See *Figure 4*. The shaded bar below each capillary indicates the allowable range per the ISO 8655 standard for adjustable, hand held pipettes.

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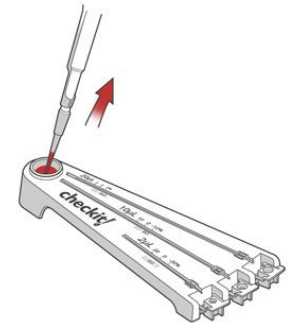


Figure 1. Draw dye into pipette tip.

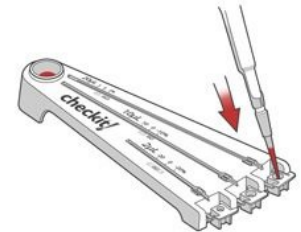


Figure 2. Dispense dye into well.

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Repeat these steps for the other two volumes to ensure the best evaluation of pipette accuracy.

The Checkit PRO is accurate to $\pm 1\%$. The perpendicular line segment below volume readings represents $\pm 1\%$. See figure 4.

For additional support or FAQ, please visit www.nextadvance.com/pipette-checkit

Operating Environment: Standard laboratory temperature and pressure, relative humidity of 30% – 70%

Storage Temperature: Room temperature



Please dispose of the Checkit cartridges in accordance with local regulations. The water based dye is safe to pour down a sink drain.

Warranty: Next Advance provides a warranty for the Checkit against defects in materials and workmanship for 6 months. Within this time period, Next Advance will replace, without charge to the original purchaser, any unit which is defective.

The warranty is void if the product is defective due to product accident, product modification, exposure to radiation, contamination, or misuse. The warranty shall also not apply to defects arising from fire, flood, lightning or other conditions unrelated to correct operation of the product. Company shall elect to: (1) refund the original purchaser's purchase price for the product, or (2) replace the product. Evidence of purchase by the original purchaser is required.

Next Advance makes no other warranty, express or implied, with respect to the Checkit. NEXT ADVANCE MAKES NO WARRANTY WITH RESPECT TO THE MERCHANTABILITY OF THE PRODUCTS OR THEIR SUITABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE. Next Advance shall not be liable for indirect, special, incidental or consequential damages of any nature.

Any recovery for any claim shall be limited to the original purchase price for the product.

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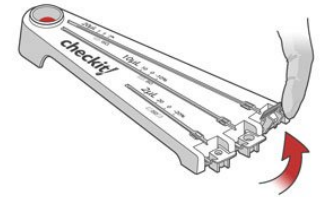


Figure 3. Use fingertip to flip up the tab.

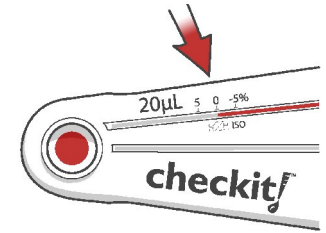


Figure 4. Compare the meniscus to the graduations.