

Ergonomic Design Features of the BRAND Transferpette®-8/-12 multichannel pipettes

from BrandTech® Scientific

The Transferpette®-8, and the Transferpette®-12 multichannel pipettes feature the same low weight, optimized surface area, and offset pipetting key as the Transferpette® single channel pipette. Due to their multiple channels, the Transferpette®-8/-12 also have the added benefit of increasing productivity. This enhanced productivity can encourage operators to take frequent breaks and limit their "pipetting dose," practices endorsed by both the UCLA Environmental Health and Safety Department and the Centers for Disease Control.

The Transferpette®-8/-12 multichannel pipette features a stepped tip ejector and flexible "V-rings" on the instrument's nose cones to counteract the expected increase in the tip-ejection forces associated with multichannel pipettes. The stepped tip ejector reduces tip ejection forces by 75% by ejecting only two tips at a time. The V-rings (effectively an O-ring with a tapered, flexible contact surface) ensure a good seal with a wide range of tips and reduce both tip-mounting and tip-ejection forces.

Transferpette®-8/-12 multichannel pipettes also feature a rotating manifold that, in addition to increasing directional accuracy and precision in cramped spaces, also allows for proper pipetting posture and neutral wrist position.

Top-mounted tip ejector

Thumb sweeps comfortably to the side from the pipetting key to eject tips. This avoids the concentrated strain of tip-ejection with a cocked thumb as in conventional designs.

Pipetting Key

The side-mounted pipetting key reduces hand fatigue by reducing the radial abduction of the thumb typical of more conventional pipette designs.

Manifold

The manifold reduces pipetting forces a further 15% from the previous model of Transferpette® 8/-12 and rotates to adapt to your pipetting style.

Stepped tip ejector

Tips are dislodged two at a time, reducing ejection force by over 75 percent compared with all-at-once tip ejectors.



Hand grip

The contoured body is lightweight and fits the contours of your hand. Textured housing ensures a firm grip and is UV resistant. Hook shape permits pipette to suspend from relaxed hand, reducing static strain.

Unique V-rings

The unique V-rings and special taper of the nose cones provide a tight seal with BRAND tips and those from other leading manufacturers while minimizing tip-mounting and ejection forces.

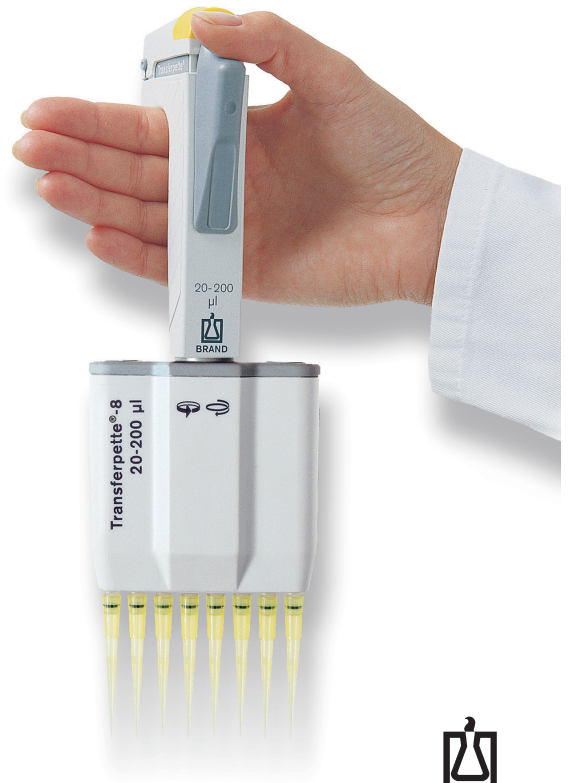


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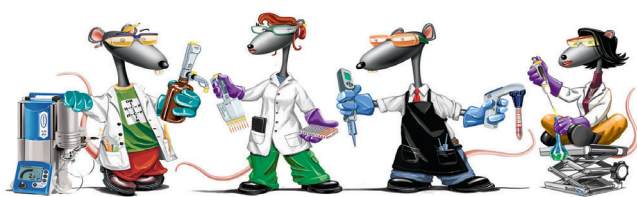
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- **Increases Pipetting Ergonomics:** Hook-shaped handle design, light weight, and side-mounted pipetting key work together to minimize the strain and discomfort of repetitive pipetting.
- **Meets the Needs of Most Applications:** Pipettes are corrosion-resistant, autoclavable, and are compatible with most tips to ensure their effectiveness in almost any application.
- **Eases Liquid-Handling Tasks:** Every function has a dedicated control to simplify operation as well as limit inadvertent tip ejection or volume adjustment.
- **Simplifies ISO/GLP Compliance:** Easy Calibration™ technology simplifies ISO/GLP compliance and eliminates the cost and inconvenience of offsite recalibration.
- **Ensures Reliable Results:** Every Transferpette® is subjected to a thorough series of tests and is supplied with an individual performance certificate as well as a two-year warranty.



The Transferpette® single- and multi-channel pipettes possess a unique, ergonomic handle design. Conventional pipettes must be gripped tightly during use, rely on the small muscles of the thumb tip for operation, and actually force the thumb into an even more strenuous position for tip ejection.

The Transferpette®'s hook-shaped handle allows the pipette to suspend freely from the hand and be used with the hand relaxed. The thumb-operated plunger is on the side of the instrument, permitting the user to aspirate and dispense using the large strong muscle at the base of the thumb, greatly reducing strain and fatigue. The tip-ejector button is positioned at the top of the instrument next to the plunger, allowing the thumb to sweep sideways naturally between the two controls. The Transferpette® itself is quite light, further reducing the strain of extended use.



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