

4 Ways Automated Liquid Handling Can Benefit Any Lab

The Corning® Lambda™ EliteMax Semi-automated Benchtop Pipettor Solution to Liquid Handling in the Lab

Pipetting is one of the basic liquid handling methods in the lab. With manual pipetting, liquid transfers are hands-on and overseen by lab personnel. Automated handling uses equipment that can run independently. Both are effective methods, but automated handling using equipment such as the Corning Lambda EliteMax Semi-automated Benchtop Pipettor can improve lab efficiency, safety, and accuracy.



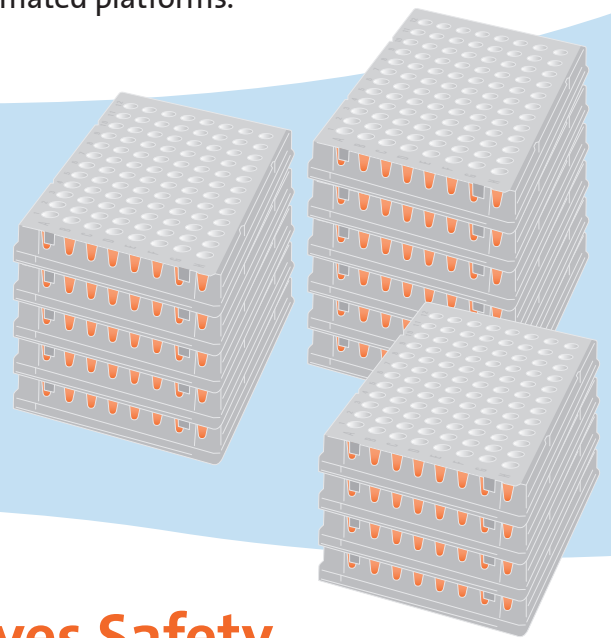
Saves Time

Transferring repetitive tasks to an automated setup allows staff to focus on more complex tasks. A versatile platform for automated liquid handling means pipetting can handle transfers by row or column, with speed customizable by liquid type. Routine tasks such as serial dilution, tube-to-tube transfer, and plate replication can be programmed once and set to run. Consumables such as Axygen® Reagent Reservoirs interface neatly with automated platforms.



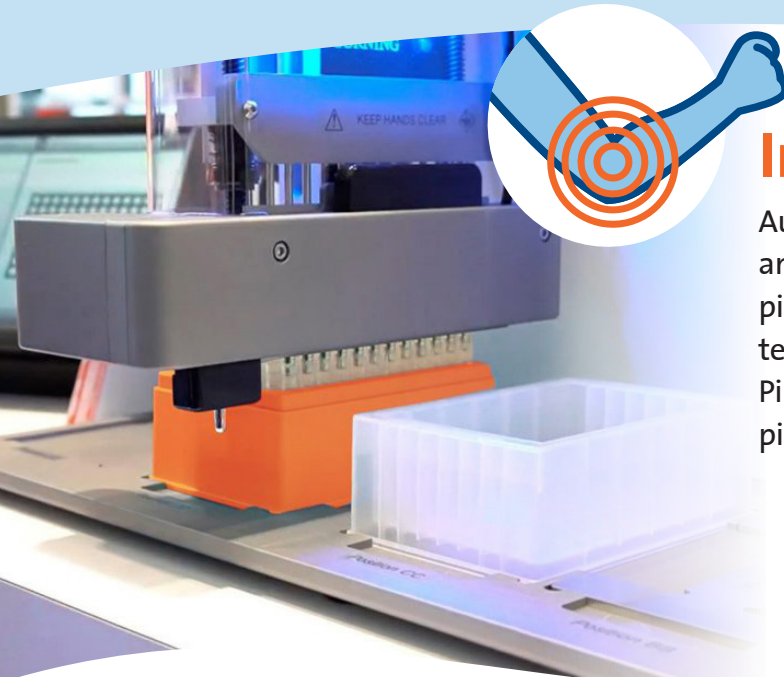
Boosts Productivity

Increased throughput helps efficiency. Automating liquid handling for up to 96 samples simultaneously and at higher speeds compared to manual pipetting helps labs scale up to higher volumes with ease. A programmable interface enables users to set up handling volumes between 1 and 200 µL.



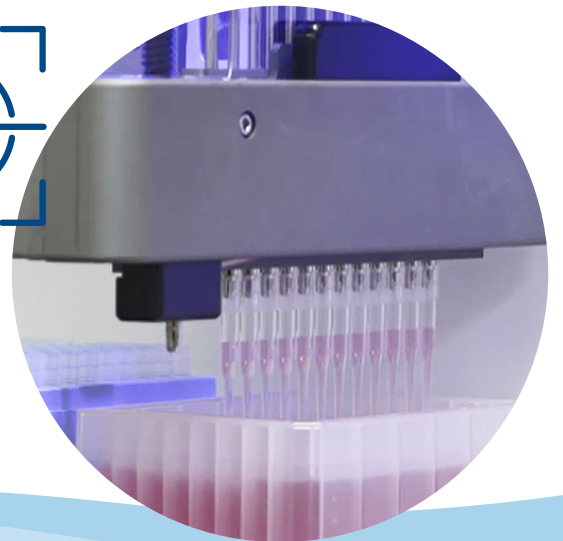
Improves Safety

Automating repetitive tasks for high-volume assays and cell culture processes improves lab safety. Manual pipetting risks repetitive strain injuries if proper pipetting techniques aren't followed. The Lambda EliteMax Pipettor's compact footprint also means automated pipetting can occur inside the biosafety cabinet.



Enhances Accuracy

Precision pipetting dispenses the same volume each time, eliminating human errors from manual pipetting. Precision liquid handling and programmable sensitivity, including for fragile spheroid cultures, increase data quality.



Labs interested in automated liquid handling should consider robotic tips and the right microplates for the job. Corning offers RNase-/DNase-free and nonpyrogenic robotic tips manufactured to stringent specifications and assembled via automation to ensure consistent performance. 96 tips pair effectively with Corning's 96-well microplates, which have a binding capacity of 250 ng of mouse IgG/cm² and a recommended volume range up to 200 µL.

Visit the [Corning Lambda EliteMax Semi-automated Benchtop Pipettor homepage](https://www.corning.com/LambdaEliteMax), and check out [Axygen Reagent Reservoirs](#) for details on full liquid handling automation.

www.corning.com/LambdaEliteMax

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