RAININ
Pipetting 360°

XLS+ Pipettes



Maximize Your Performance

- Advanced Ergonomics
- Application Versatility
- Superior Reproducibility
- Greater Control
- Enhanced GLP Security

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Trust Your Data

Extraordinary Tools for Exceptional Results

METTLER TOLEDO

Pipet-Lite XLS+
Performance You Can Feel

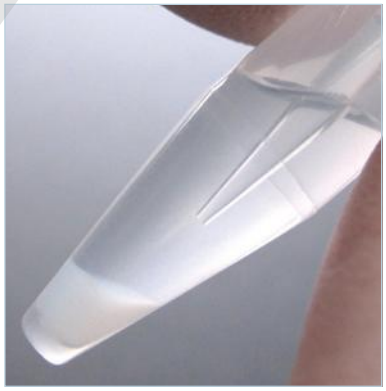
Rainin Pipet-Lite XLS+ manual pipettes raise the bar on comfort, performance and control.

Pipet-Lite™ XLS+™ blends cutting-edge engineering and innovation to deliver highly reproducible results with exceptional comfort. New "stiction-less" elastomeric seal technology and polymer tip ejectors deliver smoothness and control. The sure-fit handle, light springs and patented LTS™ LiteTouch™ System ensure smooth, comfortable operation and significantly reduce the risk of repetitive strain injuries. Tip shaft options include low-force LTS for improved ergonomics, as well as universal-fit.

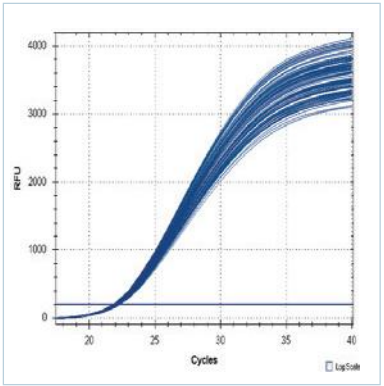
RFID All Rainin XLS+ pipettes are equipped with RFID tags for enhanced security, state-of-the-art inventory control and calibration tracking.



Total hand comfort
With sure-fit handles, contoured finger-hooks, lighter springs and low-drag seals, you can comfortably use Pipet-Lite XLS+ pipettes all day.



Smooth operation
The sealing system on XLS+ pipettes delivers a plunger stroke that is smooth, precise and requires less force than before. Perfect for pipetting applications that require delicate control!



Extreme accuracy
Built to last and manufactured with premium quality materials, XLS+ pipettes are designed to deliver superior performance, year after year.

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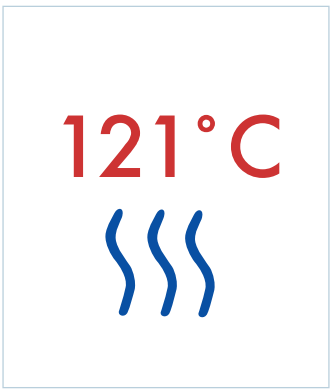
Secure volume lock
The snag-proof lock design on XLS+ pipettes prevents accidental volume drift while allowing for rapid volume adjustment, even while wearing gloves.



GLP/GMP security
Rainin pipettes were the world's first to be equipped with Radio Frequency Identification (RFID) chips for storing service and data profiles on-board, tracking calibration data and managing pipette inventory.



A better tip ejector
The tip ejector is made from a high density polymer that is corrosion free, autoclavable and highly resistant to chemical and physical insults. The ejector slides off in a single, easy motion for cleaning.



Autoclavable
XLS+ single-channel pipettes are designed for easy autoclaving where it counts: the complete liquid end, including the seals and piston. Autoclaving won't compromise performance or feel.

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E4 XLS+
Simple, Versatile and Secure

The E4 XLS+ is Rainin's easiest to use, most richly featured and secure electronic pipette.

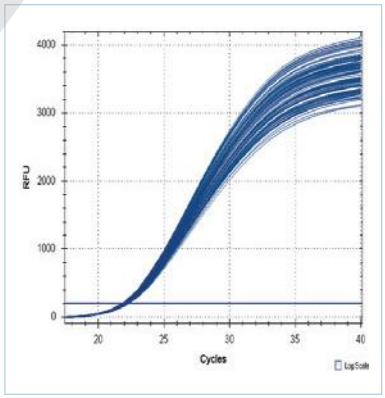
The E4™ XLS+™ is easily configured to be as simple or elaborate as your work requires. Its large color screen, joystick control and graphic interface make moving between functions and operating the pipette easy and effortless. Not only is every E4 XLS+ function highly customizable, multiple protocols can be stored on board for later use.

Pipette settings, protocols and service alarms can be password protected for GLP/GMP compliance. What's more, GLP data, such as service records, cycles and status data is completely tamper proof.

Your data is everything – trust the E4 XLS+ to deliver!



Easy operation
The E4 XLS+ works the way you think. Its color graphics, large screen and precision joystick have revolutionized electronic pipetting. The simple interface makes adjusting settings quick and easy.



Performance
An advanced microprocessor-guided stepper motor has 4,000 discrete steps for extremely accurate liquid dispensing. Designed and built for durability, you can count on the E4 to deliver years of reliable results.



The app master
For serial dilutions, filling plates, pipetting unusual liquids and performing complex pipetting steps, the E4's versatile range of pipetting modes offer maximum convenience.

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Save your protocols!
Store multiple custom protocols in the on-board memory. Simultaneously review and select your protocols with a simple movement of the joystick. No more re-entering protocols over and over again!



GLP/GMP security
Reduce compliance risks! Onboard service data is extremely secure and quick to access. Avert calibration compliance errors by password protecting access to service interval alarms. Minimize pipetting SOP deviations by locking protocol settings.



Highly configurable
With the E4s' new Admin Mode, you can configure the pipette any way you want. For convenience or security, remove unwanted modes or lock in settings. Personalized setting profiles allow you to "re-set" your pipette to a preferred configuration.



FPLC in a tip!
Using E4 XLS+ and Rainin's PureSpeed™ tips, you can purify biomolecules from proteins to oligonucleotides to chromatin. Fast, gentle processing of multiple samples and high elution concentration make an unbeatable combination!

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XLS+ Multichannels
Lightweight, Superior Performance

Smaller and up to 35% lighter than previous models, XLS+ multichannels are easier to maneuver and easier on your hands – even after hours of pipetting.

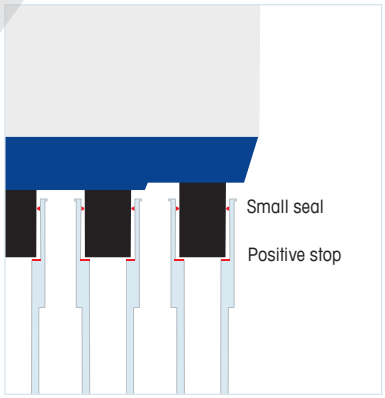
Rainin XLS+™ multichannels set a new standard for pipetting performance. Built rugged and with premium materials, these technically advanced instruments will deliver years of consistent, reliable service. And for maximum comfort and performance, all XLS+ multichannels feature:

- Rainin's patented LTS™ LiteTouch™ System technology to minimize tip ejection force
- Lighter springs that reduce plunger force by up to 28%
- A proprietary new push-bar design for exceptionally precise and consistent sample pickup across all channels

Switching between formats? Not a problem!
The Pipet-Lite XLS Adjustable Spacer has adjustable nozzles to make transferring liquids from tubes to plates fast and easy.



Lightweight
At last... comfort and performance, even after hours of pipetting! Rainin XLS+ multichannels are lightweight, yet balanced and substantial, and have a fit, feel and finish that is truly world class.



Lightest touch
Choose Rainin's patented LTS LiteTouch System for ergonomics and ease of use. With a small seal and positive stop, tips load quickly, seal perfectly and are easy to eject.



Channel consistency
In addition to LTS, the new push bar design in all XLS+ multichannel pipettes assures exceptionally even and consistent aspiration and dispensing across all channels.

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Greater control
Rainin XLS+ multichannels are among the easiest and the most responsive pipettes you'll ever use. New low drag seals on all models and volume ranges ensure smooth, absolutely consistent operation from start to finish.



Faster throughput
Speed up your plate work with the Rainin E4 XLS+ electronic multichannel pipettes. Specialized modes streamline how you transfer multiple aliquots, perform serial dilutions and program complex pipetting routines.



Ultimate flexibility
With our Adjustable Spacer model, a simple twist of a dial is all it takes to quickly move samples between different plate and tube formats.

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Good Tools, Good Practice
The Winning Combination!

Improve your data quality with Good Pipetting Practice™ (GPP™) – METTLER TOLEDO's comprehensive, systematic approach to maximizing pipetting accuracy and repeatability.

Get started with Good Pipetting Practice at **mt.com/gpp**

- Order free technique and ergonomics lab posters
- Request free on-site training
- Take our online Risk Check and download a customized Risk Analysis Report



www.mt.com/rainin

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