



**Ovation** | ESC

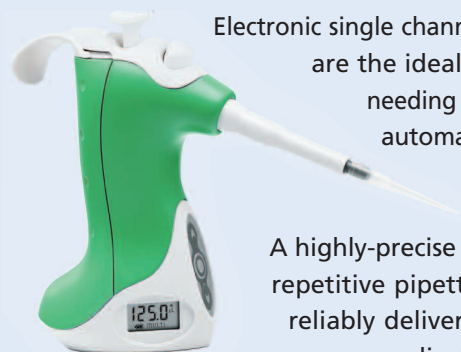
- *Electronic operation*
- *Comfortable, ergonomic design*
- *Comprehensive liquid handling functions*
- *Fast, convenient repetitive dispensing*
- *Intuitive menu-driven operation*



## Ergonomically correct pipetting: Some things deserve repeating . . .

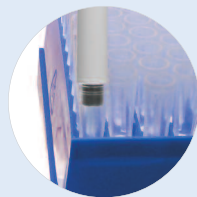
Ovation BioNatural Pipettes don't look anything like traditional pipettes. If they did, they'd be as *un-ergonomic* as other pipettes! This new design revolutionizes the concept of liquid transfer by specifically reducing the major stresses that cause pain and fatigue, and encourages ergonomically correct postures at every pipetting step.

Ovation pipettes are easy to hold and use without over-rotation of your wrist or hand — minimizing pressure in the carpal tunnel and to the median nerve. The non-axial "low profile" design also doesn't require repetitive lifting or reaching with your arm — so you can work for hours without tension in the shoulder or elbow. The ergonomic result? Significantly reduced discomfort, fatigue, and injuries!



Electronic single channel Ovation pipettes are the ideal choice for anyone needing a broad menu of automated liquid handling functions.

A highly-precise motor drive makes repetitive pipetting effortless, and reliably delivers the performance your applications require with uncompromised confidence. Right and left-handed models with wide volume ranges are available to cover liquid dispensing needs from 0.5µL to 1250µL.



### Easy tip acquisition & discard

With the Ovation pipette, an audible "click" indicates when a tip is securely sealed onto the pipette and ready for use. And Ovation requires far less force to discard tips than traditional pipettes – just the gentle push of a button.



### Fast set-up and recall of all functions

Selecting user-defined pipetting protocols, operating modes, volumes and speeds is easy and convenient with Ovation's three-button keypad and informative LCD display.



### Broad menu of liquid handling functions

Fully electronic operations maximize efficiency for all tasks including *multiple dispensing, pipetting, reverse pipetting, mixing, serial diluting* and *automatic sequential dispensing*.



### In-lab calibration made simple

Adjustments are easy when needed for different environmental conditions or liquid types – without tools! Returning to the factory calibration setting (*or any setting*) takes just the push of a keypad button.

# Ergonomically-correct pipetting = Less effort, more comfort.





Merely decreasing button pressure or softening a grip doesn't make a pipette ergonomic – it just makes it less *un-ergonomic*.

To be “*ergonomically correct*”, significant changes to traditional pipetting postures are essential – like minimizing forearm and wrist rotations, keeping a low arm and elbow height, and relaxing the shoulders and upper arms. These ergonomic postures are virtually *impossible* when using pipettes with elongated axial designs – and exactly why Ovation is so different from any pipette you've ever used!

Ovation is a whole new class of pipette – not an old design with minor improvements. Its innovative shape naturally follows the contours of the palm, and allows all pipetting steps to be performed with neutral postures, minimal muscular movements, and low hand and arm elevations. Best of all, Ovation is the most comfortable, easy-to-use pipette you will ever experience.



Ovation's “low profile” also allows better visibility for acquiring tips, and guiding tips into small vessels such as microtubes.

Electronic Single Channel Models	Fisher Scientific Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy*	Precision*
	22-146-100		0.5 – 20µL	0.05µL	±1.0% at 20µL ±1.5% at 10µL ±3.0% at 2µL	0.30% at 20µL 0.50% at 10µL 1.80% at 2µL
	22-146-101		2 – 125µL	0.5µL	±0.8% at 125µL ±0.8% at 62.5µL ±2.9% at 12.5µL	0.15% at 125µL 0.24% at 62.5µL 1.00% at 12.5µL
	22-146-102		5 – 250µL	1µL	±0.8% at 250µL ±0.8% at 125µL ±2.5% at 25µL	0.15% at 250µL 0.25% at 125µL 1.00% at 25µL
	22-146-103		25 – 1250µL	5µL	±0.75% at 1250µL ±0.8% at 625µL ±2.8% at 125µL	0.15% at 1250µL 0.20% at 625µL 0.60% at 125µL



Note: An Ovation Power Supply unit (sold separately) is needed to recharge the pipette's battery.  
Catalog # 22-147-115 – Power Supply

\* Specifications subject to change

## VistaLab Tips – A fitting companion.

To maximize the exceptional performance and benefits of the Ovation Pipette, we recommend using VistaLab tips. “One-size-fits-all” substitute tips can (and probably will) have negative effects on ease of use and performance. VistaLab tips provide a perfect fit **every time** and are available in a variety of volume sizes and packaging configurations.



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