



 **Ovation.** | E8

 **Ovation.** | E12

Stressed-out & fatigued from multichannel pipetting? Take comfort.

It's hardly a surprise the biggest concern with multichannel pipetting is tip acquisition and discard. Just a single tip falling off in the middle of a procedure can ruin an entire experiment or test run. Even with excessive force, there's no guarantee all the tips are seated and sealed properly. And then removing a dozen tips that have been jammed into position is no easy task either. Take comfort in the fact we've literally eliminated these problems once and for all.

The new multichannel Ovation® BioNatural Pipette features a unique tip acquisition system. An audible "click" signals the user when all tips are securely seated and it's OK to begin pipetting – simply, reliably and worry-free. **Every time.**

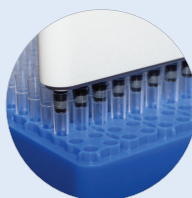
And when the pipetting cycle is complete, a gentle push on the tip eject

button discards all tips simultaneously without effort.

Every time.



The Ovation multichannel has the same ergonomically-correct, comfort-driven design as other Ovation pipettes, with new electronic functions to meet the complex demands of repetitive procedures. Straightforward, simple programming coupled with reliable, consistent accuracy and precision ensures the integrity of your work is always achieved with uncompromised confidence.



Acquire every tip – EVERY TIME

Positive feedback indicates every tip is securely seated and sealed - no manual manipulations are needed



Discard every tip – EVERY TIME

An energy-release system uses the force captured during acquisition to simultaneously discard all tips – at the gentle push of a button



Easy set-up and use of all functions

Multiple Dispense, Pipette, Reverse Pipette, Mix and Serial Dilute operations are available at user-selectable settings

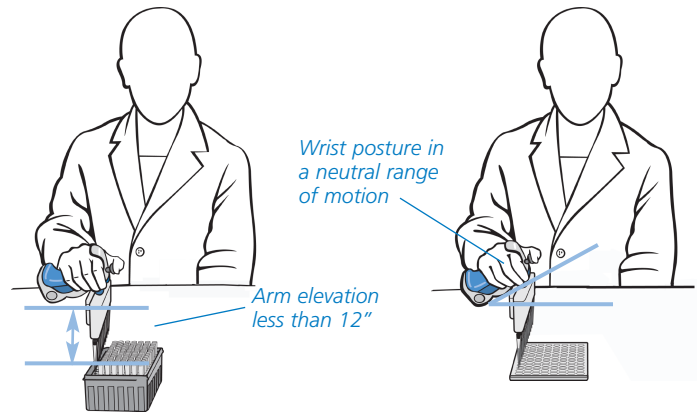


Effortless pushbutton controls

Select liquid handling functions with just a single keystroke, including recall of stored volume settings

Ergonomically-correct pipetting = Less effort, more comfort.

Ovation is designed for ergonomically-correct pipetting – it's shape naturally follows the contours of the palm, and allows the task of pipetting to be performed with a neutral posture and minimal muscular movement. Low hand and arm elevations ease stress in the shoulder and neck, and a stress-free wrist angle eliminates uncomfortable extension and radial deviation movements in the arm. Force, velocity and exertion from repetition or duration have also been neutralized.



A low hand/arm elevation and neutral wrist angle also allows better visibility and greater control for aligning the pipette head with a rack of tips, and guiding tips into microplates.

Pipetting is inherently a labor-intensive, repetitious task – but it doesn't have to be fatiguing or painful. That's something you can change with Ovation – the *comfortable* choice.

	VWR Catalog #		Color	Volume Range	Dispensing Increments	Accuracy*	Precision*	
	8 Channel	12 Channel						
Multichannel Models	89002-376	49000-548		0.5 – 20µL	0.05µL	±1.0% at 20µL ±1.5% at 10µL ±3.0% at 2µL	0.40% at 20µL 0.80% at 10µL 1.80% at 2µL	
	89002-378	49000-550		2 – 125µL	0.5µL	±0.8% at 125µL ±1.0% at 62.5µL ±3.0% at 12.5µL	0.25% at 125µL 0.30% at 62.5µL 1.25% at 12.5µL	
	89002-380	49000-552		5 – 250µL	1µL	±0.8% at 250µL ±1.0% at 125µL ±2.5% at 25µL	0.25% at 250µL 0.40% at 125µL 1.00% at 25µL	
		49000-554		25 – 850µL	5µL	±1.0% at 850µL ±1.25% at 425µL ±3.5% at 85µL	0.30% at 850µL 0.40% at 425µL 1.00% at 85µL	
	89002-382			25 – 1250µL	5µL	±0.8% at 1250µL ±1.0% at 625µL ±3.5% at 125µL	0.20% at 1250µL 0.30% at 625µL 0.80% at 125µL	

An Ovation Power Supply unit needed to recharge the pipette's battery is included.

* 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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