



Ovation[®]

The Better Way to Pipette!

Yes, they look different. Wait until you see how they feel.

Ovation is a whole new class of pipette – not an old design with minor improvements. They’re “ergonomically correct” – which means the most comfortable, easy-to-use pipettes you will ever experience.

The Ovation 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. In fact, Ovation is the only pipette designed to keep your hand in the neutral position recommended by ergonomic experts.



- ✦ Electronic Single Channel
- ✦ Electronic 8 & 12 Channel
- ✦ Electronic Macro Volume
- ✦ Quick-Set Volume
- ✦ Mechanical Volume-Set
- ✦ Fixed Volume



Perfect Pipetting Posture

Ergonomically-correct postures allow muscle groups to function freely without restriction or stress.

No shoulder flexion

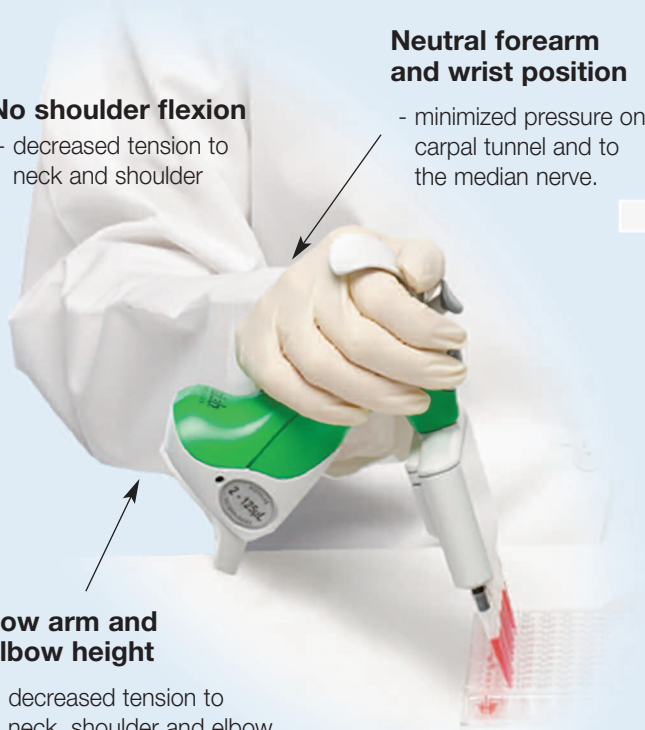
- decreased tension to neck and shoulder

Neutral forearm and wrist position

- minimized pressure on carpal tunnel and to the median nerve.

Low arm and elbow height

- decreased tension to neck, shoulder and elbow



Lower Pipetting Forces

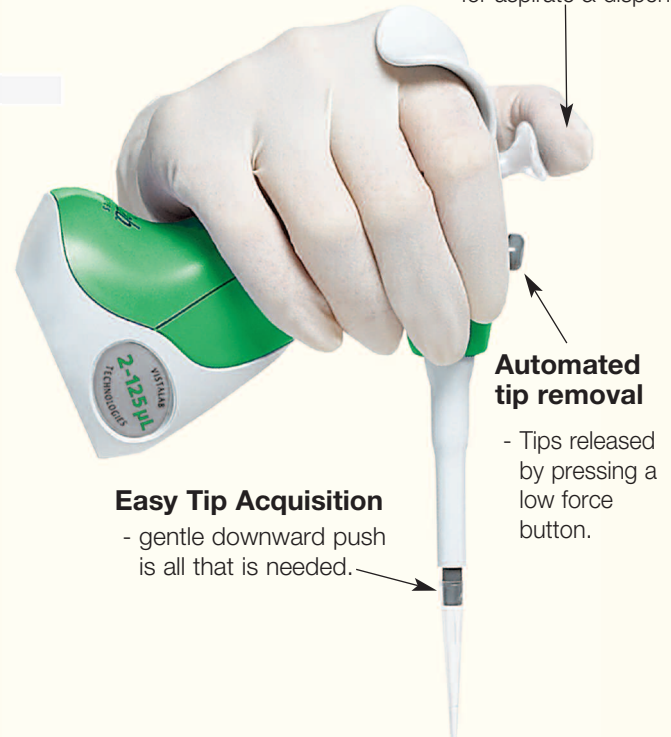
Ovation significantly reduces forces throughout all pipetting tasks.

Loose, relaxed grip

- no clenched fist required to hold the pipette.

Low to zero spring forces

- minimal thumb effort for aspirate & dispense.



Easy Tip Acquisition

- gentle downward push is all that is needed.

Automated tip removal

- Tips released by pressing a low force button.

The perfect combination of performance, ergonomics and unique features in one elegant design.



Amazing comfort.

Ovation's unique ergonomic design means hours of continuous pipetting can be accomplished in complete comfort. It fits your hand like a glove, and keeps your arm and wrist in a natural, stress-free posture close to the work surface.



One way disposable nozzles.

Every pipette is protected from contamination because the Ovation's special filtered nozzle prevents liquid from entering its interior structure. This protects the pipette, you, and your samples from contamination.



Exceptional Accuracy.

Ovation puts pipetting accuracy & precision in the palm of your hand. Electronic and Quick-Set models feature large LCD displays and motor-driven volume adjustments to ensure the exact settings your work requires. Frequently-used volumes can be pre-set for fast recall at the push of a single button.



No lying down on the job.

Ovations are only pipettes that stands on their own, making them easy and convenient to pick up. And if you need to set the pipette down during a procedure, tips never touch the bench so there's no risk of cross-



Flawless tipping & detipping.

A gentle push is all that's needed to acquire tips, even on multichannel models, and an audible "click" confirms they're all securely seated. You'll never worry about tips falling off again! And touching a button immediately ejects all tips.



Easy-to-use. Really.

Ovation pipettes allow you to work without the distraction of cumbersome layers of software and programming. Electronic and Quick-Set Models feature a simple menu, volume pre-sets and navigation keypad to make selecting functions and volumes a snap.



In-lab calibration made simple.

Adjustments are easy when needed for different environmental conditions or liquid types. On electronic and quick-set models, returning to the factory calibration setting (*or any setting*) takes just the push of a keypad button.

















It just works.

Beneath Ovation's sculpted exterior, rugged components ensure reliable performance without compromise. Aside from an occasional wipedown, there isn't much to maintaining an Ovation pipette.

Standing Ovation for your Laboratory.

All Ovation pipettes share an ergonomic structure.







Electronic Single Channel and Macro Models	Fisher Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy	Precision	 <p>Ovation ESC</p>
	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	
	22-146-300		100 – 5000µL	10µL	±0.6% at 5000µL ±0.6% at 2500µL ±2.4% at 500µL	0.16% at 5000µL 0.20% at 2500µL 0.60% at 500µL	
22-146-319		0.2 – 10mL	10µL	±0.6% at 10mL ±1.0% at 5mL ±2.4% at 1mL	0.16% at 10mL 0.20% at 5mL 0.30% at 1mL	 <p>Ovation Macro10</p>	

Multichannel Models	8 Channel	Fisher Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy	Precision	 <p>Ovation E8</p>
	22-146-675	22-147-100		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	
	22-146-676	22-147-101		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	
	22-146-677	22-147-102		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	
		22-147-103		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	
	22-146-678			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	

Power










All Ovation Electronic pipettes now include a Power Supply unit to recharge the pipette's battery.



Quick-Set Adjustable Volume Models	Fisher Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy	Precision
	22-146-600		0.2 – 2µL	0.002µL	±1.5% at 2µL ±2.7% at 1µL ±9% at 0.2µL	0.9% at 2µL 1.8% at 1µL 7.6% at 0.2µL
	22-146-601		1 – 10µL	0.01µL	±1% at 10µL ±1.5% at 5µL ±2.5% at 1µL	0.4% at 10µL 0.6% at 5µL 1.2% at 1µL
	22-146-602		2 – 20µL	0.02µL	±1% at 20µL ±1.5% at 10µL ±7% at 2µL	0.3% at 20µL 0.5% at 10µL 2% at 2µL
	22-146-603		10 – 100µL	0.1µL	±0.8% at 100µL ±0.8% at 50µL ±3.5% at 10µL	0.15% at 100µL 0.24% at 50µL 1% at 10µL
	22-146-604		20 – 200µL	0.2µL	±0.8% at 200µL ±0.8% at 100µL ±2.5% at 20µL	0.15% at 200µL 0.25% at 100µL 1% at 20µL
	22-146-605		100 – 1000µL	1.0µL	±0.8% at 1000µL ±0.8% at 500µL ±3% at 100µL	0.15% at 1000µL 0.2% at 500µL 0.6% at 100µL
	22-146-685	Ovation Quick-Set Starter Pack (Includes one 2-20µL, one 20-200µL, one 100-1000µL, an Ovation Pipette Stand, and 3 racks of tips.)				



Ovation QS

Fixed Volume Models	Fisher Catalog No.		Color	Volume †	Accuracy	Precision
	Single Stroke	Two Stroke				
		22-146-618		2µL	±1.5%	0.90%
	22-146-607			10µL	±1.5%	0.50%
	22-146-608			20µL	±1.0%	0.30%
	22-146-609			25µL	±1.4%	0.60%
		22-146-623		50µL	±0.8%	0.24%
	22-146-611			100µL	±0.8%	0.15%
	22-146-612			200µL	±0.8%	0.15%
	22-146-615			500µL	±0.8%	0.20%
22-146-616	22-146-629		1000µL	±0.8%	0.15%	



Note: All pipette specifications subject to change. Performance claims are based on use with tips from VistaLab Technologies, Inc.

Tips with a Perfect Fit.

Use this tip chart to determine which tips are most appropriate for use with your Ovation and MLA pipettes.

22-146-350 Catalog number

		Ovation ESC (electronic single channel) and Ovation E8 & E12 (multichannel):	0.5-20µL	2-125µL 5-250µL	25-850 25-1250µL		
		Ovation Macro5 & Ovation Macro10 (macro volume):				100-5000µL	0.2-10mL
		Ovation QS (quick-set adjustable volume):	0.2-2µL 1.0-10µL 2.0-20µL	10-100µL 20-200µL	100-1000µL		
		Ovation F1 & Ovation F2 (fixed volume):	1µL to 20µL	21µL to 200µL	201µL to 1000µL		
		All MLA models:		2µL to 200µL	201µL to 1000µL	1mL to 5mL	6mL to 10mL
		TIP SIZE:	MICRO	SMALL	LARGE	5mL	10mL
NON-STERILE	VistaRak 192 tips/rack, 5 racks	22-146-350	22-146-351	22-146-352			
	VistaRak, Low Retention 192 tips/rack, 5 racks	22-146-560	22-146-564				
	VistaStak, 192 tips/layer, 5 layers (small size) or 3 layers (micro and large size)	22-146-353	22-146-354	22-146-355			
	Stacked Rack, 200 tips/layer, 5 layers (small size) or 3 layers (large size)		21-341	21-343			
	Stacked Rack, Trace Metal Certified, 200 tips/layer 5 layers (small size) or 3 layers (large size)		21-319-27	21-319-28			
	Box 100 tips/box (5mL) or 35 tips/box (10mL)				21-318-602		
	VistaClear Box 35 tips/box					22-146-310	
	VistaBulk™, 1000 tips/bag, or 250 tips/bag (5mL) or 100 tips/bag (10mL)	22-146-630	22-146-636	22-146-643	22-146-302	22-146-321	
	Protectainer™ Bulk Pack, 1000 tips (small) or 750 tips (large)		21-341-20	21-343-20			
Econo-Pak™ Bulk Pack, 1000 tips		22-046-533	22-046-534				
STERILE	VistaRak, Sterile, Pyrogen-free, RNase/DNase certified, 192 tips/rack, 5 racks	22-146-356	22-146-357	22-146-358			
	VistaRak, Sterile, Pyrogen-free, Low Retention, RNase/DNase certified, 192 tips/rack, 5 racks	22-146-561	22-146-565				
	VistaClear Box – Sterile, 60 tips/box (5mL) or 35 tips/box (10mL)				22-146-688	22-146-323	
	VistaTip™ Individually Wrapped Sterile, 200 tips		21-341-10 ¹	21-343-10 ¹			
	VistaTip Individually Wrapped, Sterile, Pyrogen-free, 200 tips		21-343-21 ¹	21-343-22 ¹			
FILTERED	VistaRak, Filtered, Sterile, Pyrogen-free, RNase/DNase certified, 192 tips/rack, 5 racks	22-146-359	22-146-361	22-146-362			
	VistaRak, Filtered, Sterile, Pyrogen-free, Low Retention, RNase/DNase certified, 192 tips/rack, 5 racks	22-146-562 ²	22-146-566				
	VistaClear Box – Filtered, Sterile, Pyrogen-free, RNase/DNase certified, 60 tips/box (5mL) or 35 tips/box (10mL)				22-146-689	22-146-324	
	VistaTip Individually Wrapped, Filtered, Sterile, Pyrogen-free, RNase/DNase certified, 50 tips				22-146-304	22-146-325	



VistaRak™



VistaStak™



Stacked Rack

Notes:

1. Not for use with Ovation E8 & E12 Multichannel Pipettes.
2. Not for use with Ovation QS or Ovation F2 1µL or 2µL.
3. All 5mL tips are graduated, marked at 0.1mL increments



VistaLab Reagent Reservoirs

Our disposable Reagent Reservoirs are the ideal pipetting companion. Each reservoir has trimmed base corners and distinct pour-off spouts that make it easy to empty without spills. They also feature a unique “trough within a trough” design that maximizes reagent recovery when scarce or expensive reagents are used.

All Reagent Reservoirs are made from Animal-Free raw materials

RESERVOIR SIZE:	MINI	SMALL	SMALL	MEDIUM	LARGE
Bulk, 100/case Pyrogen-free/RNase/DNase certified, sterile	10mL 21-381-090	25mL 21-381-27C	25mL Divided 21-381-27E	50mL 21-381-27G	100mL 21-381-27A
Bulk, 200/case Pyrogen-free/RNase/DNase certified, sterile	10mL 21-381-092	25mL 21-385-102		50mL 21-385-104	100mL 21-385-100
Bulk, 100/case non-sterile	10mL 21-381-094	25mL 22-145-101	25mL Divided 22-145-102	50mL 22-145-103	100mL 22-124-100
Individually wrapped, 50/case Pyrogen-free/RNase/DNase certified, sterile	10mL 21-381-091	25mL 22-381-27D	25mL Divided 21-381-27F	50mL 21-381-27H	100mL 21-381-27B
Individually wrapped, 100/case Pyrogen-free/RNase/DNase certified, sterile	10mL 21-381-093	25mL 21-385-103		50mL 21-385-105	100mL 21-385-101
Individually wrapped with lid, 50/case Pyrogen-free/RNase/DNase certified, sterile					100mL 21-385-111
Bulk, reservoir lid, 100/case Pyrogen-free/RNase/DNase certified, sterile					100mL 21-385-110
Reservoir Cooler for 100mL reservoir					21-385-112



Fisher HealthCare

A Thermo Fisher Scientific Brand

In the United States:

For customer service, call 1-800-640-0640

To fax an order, use 1-800-290-0290

To order online: www.fisherhealthcare.com