

 Catalyst Biotech

*The future of pipetting
has an unmistakable shape..*

*The most comfortable,
easy-to-use pipettes
you will ever experience.*

Standing  **Ovation.** for your Laboratory!
BioNatural Pipette



ERGONOMICS is a SCIENCE, not a Slogan!!

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.

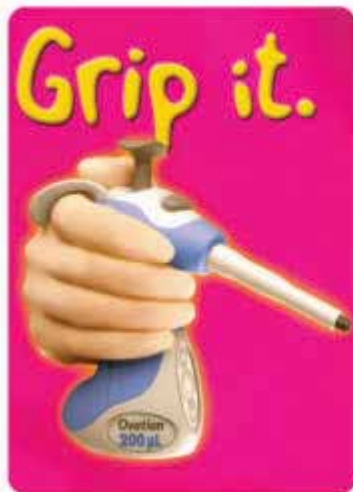
To be "ergonomically correct", significant changes to traditional pipetting postures are essential - like minimizing forearm and wrist rotations, keeping a low arm and elbow height, and relaxing the shoulders and upper arms. These ergonomic postures are virtually impossible when using pipettes with elongated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

Ovation is 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.

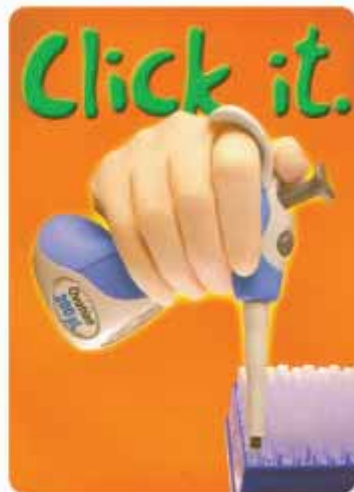
Yes, they look different.

Wait until you see how they feel.

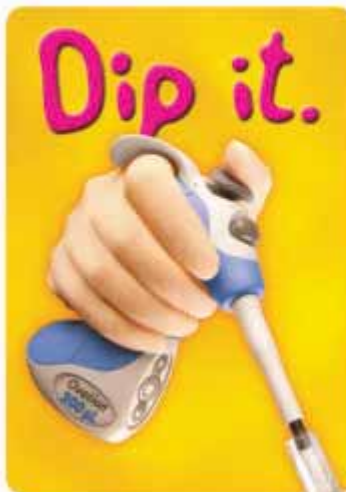
Ovation BioNatural Pipettes don't look anything like traditional pipettes. If they did, they'd be as un-ergonomic as other pipettes! This new design revolutionizes the concept of liquid transfer by specifically reducing the major stresses that causes pain and fatigue, and encourages ergonomically correct postures at every pipetting step. Ovation is the only pipette designed to keep your hand in the neutral position recommended by ergonomic experts.



Allow the body of the pipette to naturally fill your palm. Rotate the adjustable hook to rest comfortably on your index finger.



Press down lightly until you hear or feel a "Click". The tip is now properly seated, and ready for use. Excessive force or "Tapping" is not necessary.



Forearm elevation should be no greater than a 45° angle versus the working surface. Always maintain a flat, straight wrist-hand position, with the elbow close to your body.



Press the Tip Flicker to eject and discard a used tip into an appropriate waste container.



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Discard all previous notions about tip removal

Ovation requires far less force to discard tips than traditional pipettes. A proprietary energy-release system uses the force captured during acquisition to discard tips - at the gentle push of the button.



Contoured Plunger

A low-force, form-fitting plunger allows the pipetting activity with minimal effort.

One way disposable nozzle

Not every pipetting task requires a filtered tip, but every pipette should be protected from contamination, no matter what the task. Ovation comes with a special filtered nozzle that won't let liquid into the body of device.



Acquire Every tip - Every time

Ovation's unique tip system provides an audible 'click' to indicate every tip is securely seated and sealed. No manual manipulations are needed.



Easy push button controls

Selecting user defined pipetting protocols, operating models, volumes and speed is easy and convenient with Ovation's three button keypad.



Informative LCD diisplay



A custom fit for left or right-handed users

Ovation's adjustable hook can be easily positioned for a custom fit and reduced holding effort. This ensures the user's hand is positioned for maximum stability yet minimal contact pressure along the contoured shape of the pipette's body.



A contoured shape







Ovation's "bionatural" shape gives the user maximum stability when pipetting, with minimal contact pressure.

A standing Ovation

No lying down on the job. No risk of contamination. The tip never touches the work-table. Ovation is the only pipette that stands securely on the counter before, during and after the job.









Electronic Single Channel - Basic Models

Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy	Precision
1057-0002		0.2 - 2 μ l	0.002 μ l	\pm 1.5% at 2 μ l \pm 2.7% at 1 μ l \pm 9% at 0.2 μ l	0.9% at 2 μ l 1.8% at 1 μ l 7.6% at 0.2 μ l
1057-0010		1 - 10 μ l	0.01 μ l	\pm 1% at 10 μ l \pm 1.5% at 5 μ l \pm 2.5% at 1 μ l	0.4% at 10 μ l 0.6% at 5 μ l 1.2% at 1 μ l
1057-0020		2 - 20 μ l	0.02 μ l	\pm 1% at 20 μ l \pm 1.5% at 10 μ l \pm 7.0% at 2 μ l	0.3% at 20 μ l 0.5% at 10 μ l 2.0% at 2 μ l
1057-0100		10 - 100 μ l	0.1 μ l	\pm 0.8% at 100 μ l \pm 0.8% at 50 μ l \pm 3.5% at 10 μ l	0.15% at 100 μ l 0.24% at 50 μ l 1.00% at 10 μ l
1057-0200		20 - 200 μ l	0.2 μ l	\pm 0.8% at 200 μ l \pm 0.8% at 100 μ l \pm 2.5% at 20 μ l	0.15% at 200 μ l 0.25% at 100 μ l 1.00% at 20 μ l
1057-1000		100 - 1000 μ l	1.0 μ l	\pm 0.8% at 1000 μ l \pm 0.8% at 500 μ l \pm 3.0% at 100 μ l	0.15% at 1000 μ l 0.20% at 500 μ l 0.60% at 100 μ l



- ⇒ Set-up and store five of your most frequently - used volumes, for routine use and later recall.
- ⇒ In-Lab calibration.

Electronic Single Channel - Advance Models

Catalog No.	Color	Volume Range	Dispensing Increments	Accuracy	Precision
1065-0020		0.5 - 20 μ l	0.05 μ l	\pm 1.0% at 2 μ l \pm 1.57% at 10 μ l \pm 3.0% at 2 μ l	0.30% at 2 μ l 0.50% at 10 μ l 1.80% at 2 μ l
1065-01250		2 - 125 μ l	0.5 μ l	\pm 0.8% at 125 μ l \pm 0.8% at 62.5 μ l \pm 2.9% at 12.5 μ l	0.15% at 125 μ l 0.24% at 62.5 μ l 1.00% at 12.5 μ l
1065-0250		5 - 250 μ l	1 μ l	\pm 0.8% at 250 μ l \pm 0.8% at 125 μ l \pm 2.5% at 25 μ l	0.15% at 250 μ l 0.25% at 125 μ l 1.00% at 25 μ l
1065-1250		25 - 1250 μ l	5 μ l	\pm 0.75% at 1250 μ l \pm 0.8% at 625 μ l \pm 2.8% at 125 μ l	0.15% at 1250 μ l 0.20% at 625 μ l 0.60% at 125 μ l
1065-05ml		100 - 5000 μ l	10 μ l	\pm 0.6% at 5000 μ l \pm 0.6% at 2500 μ l \pm 2.4% at 500 μ l	0.16% at 5000 μ l 0.20% at 2500 μ l 0.60% at 500 μ l
1065-10ml		0.2 - 10ml	10 μ l	\pm 0.6% at 10ml \pm 1.0% at 5ml \pm 2.4% at 1ml	0.16% at 10ml 0.20% at 5ml 0.30% at 1ml



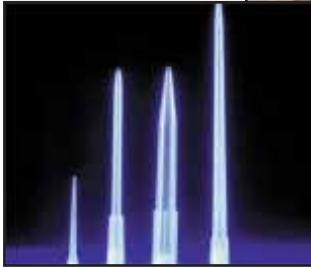
- ⇒ Set-up and store three (in case of micro) and two (in case of macro) of your most frequently - used volumes, for routine use and later recall.
- ⇒ Performs Pipetting, Multiple Dispensing, Reverse Pipetting, Serial Dilution, Mixing and Automatic Sequential Dispensing.
- ⇒ Five Speeds for different Pipetting actions.
- ⇒ In-Lab calibration.

Electronic Multi Channel - Advance Models

Catalog No.		Color	Volume Range	Dispensing Increments	Accuracy	Precision
8 Channel	12 Channel					
1160-0020	1060-0020	Yellow	0.5 - 20 μ l	0.5 μ l	\pm 1.0% at 20 μ l \pm 1.5% at 10 μ l \pm 3.0% at 2 μ l	0.40% at 20 μ l 0.80% at 10 μ l 1.80% at 2 μ l
1160-0125	1060-0125	Green	2 - 125 μ l	0.5 μ l	\pm 0.80% at 125 μ l \pm 1.00% at 62.5 μ l \pm 3.05% at 12.5 μ l	0.25% at 125 μ l 0.30% at 62.5 μ l 1.25% at 12.5 μ l
1160-0250	1060-0250	Blue	5 - 250 μ l	1 μ l	\pm 0.8% at 250 μ l \pm 1.0% at 125 μ l \pm 2.5% at 25 μ l	0.25% at 250 μ l 0.40% at 125 μ l 1.00% at 25 μ l
	1060-0850	Grey	25 - 850 μ l	5 μ l	\pm 1.00% at 850 μ l \pm 1.25% at 425 μ l \pm 3.50% at 85 μ l	0.30% at 850 μ l 0.40% at 425 μ l 1.00% at 85 μ l
1160-1250		Dark Blue	25 - 1250 μ l	5 μ l	\pm 0.8% at 1250 μ l \pm 1.0% at 625 μ l \pm 3.5% at 125 μ l	0.20% at 1250 μ l 0.30% at 625 μ l 0.80% at 125 μ l



- ⇒ Set-up and store three of your most frequently - used volumes, for routine use and later recall.
- ⇒ Performs Pipetting, Multiple Dispensing, Reverse Pipetting, Serial Dilution, Mixing and Automatic Sequential Dispensing.
- ⇒ Five Speeds for different Pipetting actions.
- ⇒ In-Lab calibration.



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