

NEW!



PhysioCare  
concept



Eppendorf  
Xplorer® plus!  
with additional  
functions!

## Simply Better Pipetting!

Eppendorf Xplorer and Eppendorf Xplorer plus – the electronic pipettes

**eppendorf**

# Simply Better Pipetting

## Eppendorf Xplorer and Eppendorf Xplorer plus

People who give 100 % every day deserve the best tools and the best equipment. You work on demanding problems, and important decisions depend on the results of your work. Your standard is extremely high and your performance is professional.

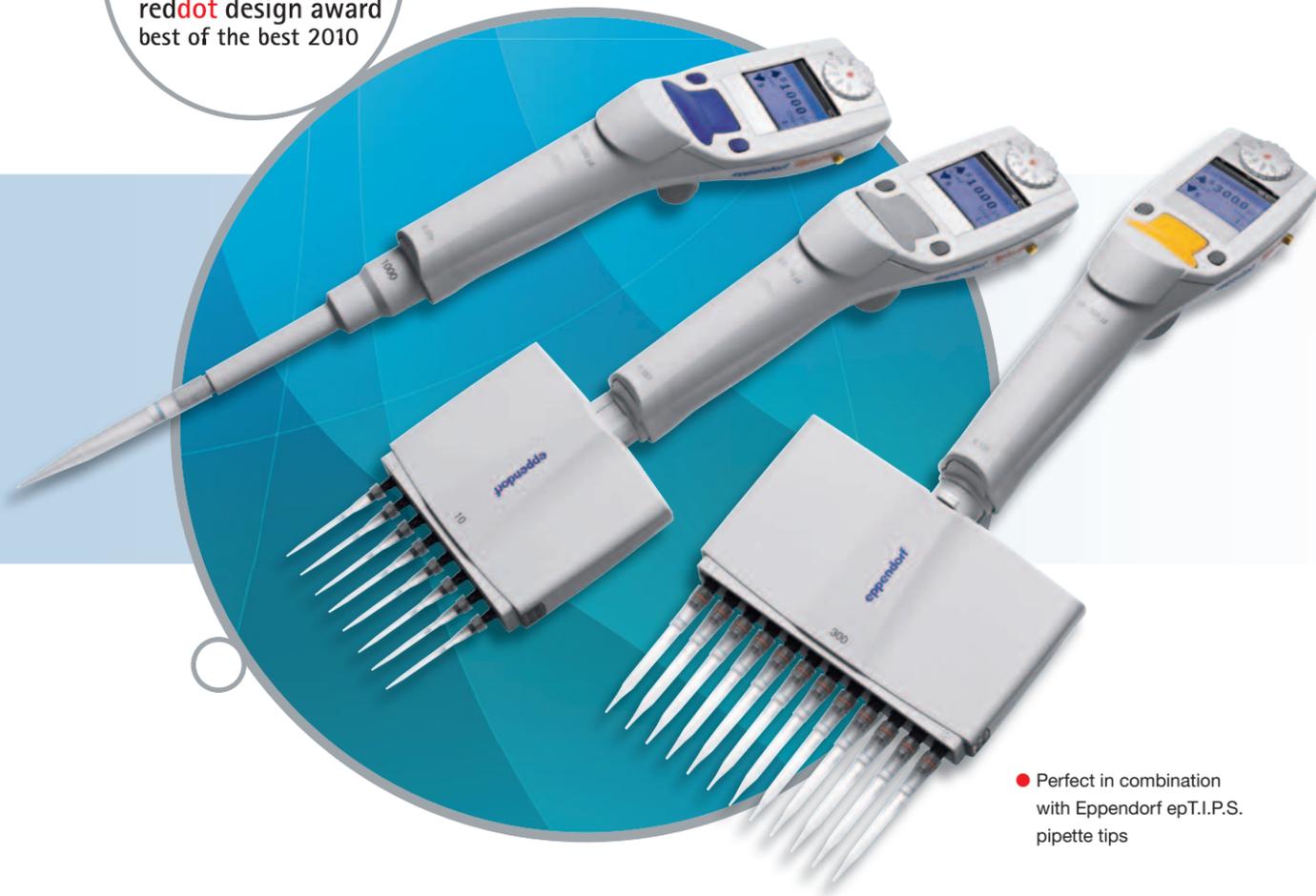
The electronic pipettes Eppendorf Xplorer and Eppendorf Xplorer plus were specially designed for high professional standards to provide optimal support for you in your work, with a new intuitive operating concept and design based on the proven Eppendorf PhysioCare Concept.

These features set new standards for simplicity, precision and reproducibility, which means no more delays due to complicated programming or inflexible processes. Instead, you get precisely adjustable parameters, maximally reproducible results, fatigue-free work and full control over the pipetting processes.

Online as well with interactive demo:  
[www.eppendorf.com/xplorer](http://www.eppendorf.com/xplorer)



reddot design award  
 best of the best 2010



● Perfect in combination with Eppendorf epT.I.P.S. pipette tips

# Work Intuitively

## Everything Could Be So Simple – and It Is!

### Everything at a glance and with one click

You can easily select all functions with the practical selection dial. The clearly arranged color display of all adjustable parameters means no more getting lost in submenus! An optional help function is available in your language of choice.

### Simple logic

To make pipette operation even more logical, we have developed a unique multi-function rocker for the Eppendorf Xplorer pipettes. The switch enables precise control of liquid aspiration and dispensing. It follows the “Up is up and down is down” principle: Press the rocker up to aspirate liquids and down to dispense liquids. When the tip is ejected, the piston automatically returns to the zero position – simple logic!

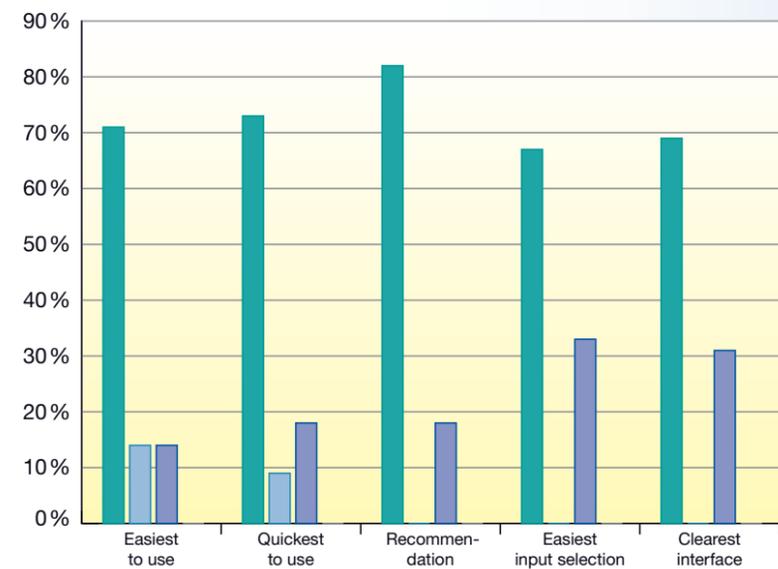
### Everything under control

For slow pipetting, loading gels or aspirating supernatant, a feel for your task is required – and complete control of the piston movement a necessity! With the Eppendorf Xplorer pipettes, the “Manual pipetting” function and operational rocker make precise and flexible directional control of the piston possible. You're in control!



Pick up and get going – awesome :-)

### Survey operating concept



Source: Independent survey, Institute of Human Factors Engineering, Technical University Darmstadt, February 2010

■ Eppendorf Xplorer  
 ■ Competitor A  
 ■ Competitor B  
 ■ Competitor C

# Trouble-Free Dispensing

## Eppendorf PhysioCare Concept

### Relaxed to the finish line

Eppendorf Xplorer pipettes were developed and produced by renowned ergonomics experts according to the high standards of the PhysioCare Concept.

The perfect balance and hand rest of the Eppendorf Xplorer pipettes guarantee a low-impact position and efficient means for relaxation periods. The handle and size of the control buttons feature a user-friendly design, irrespective of hand size.

### Improved view

All information on the pipette displays is clearly readable, regardless of your hand position or work position. The optimally angled pipette head and high-resolution display with a controllable brightness setting guarantee a comfortable work environment.

### Improved balance of energy

The more energy you expend, the more quickly your energy reserves are depleted. But because your performance is the most valuable resource, we have significantly reduced the weight and required operating force of the Eppendorf Xplorer pipettes.



*Ergonomics means to never feel the effects of hard work!*



# Reliably Reproducible Results

## Dispensed Precisely to the Point. And As Often As You Would Like.

### When tips are optimally seated

The spring-loaded tip cone of the Eppendorf Xplorer pipettes provides maximum tightness with minimal attachment force, noticeably reducing the energy required for ejection without compromising fit. Because the tip always sits in the same position, the reproducibility of your results is heightened.

### Individual pipetting everywhere

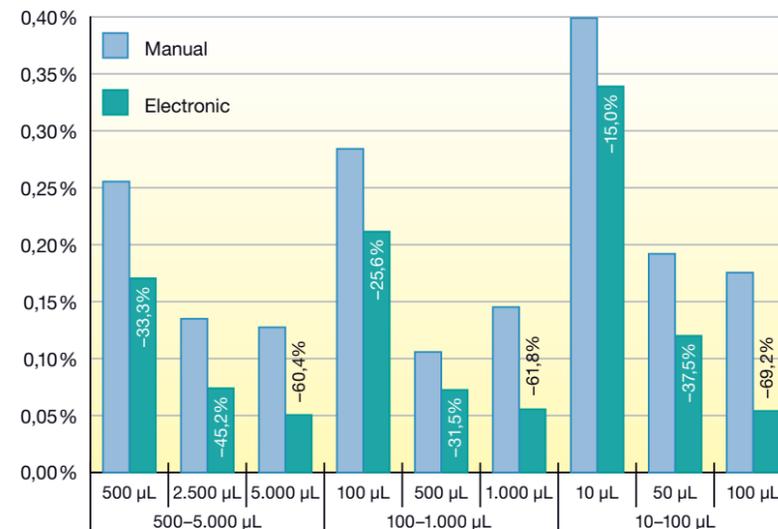
No matter where you are in the world, or which liquid you're using: Eppendorf Xplorer pipettes can be individually adjusted to your environment and requirements. For example, to an altitude or specific liquid density. Your unit can also be personally labeled to prevent an accidental exchange of your Xplorer.

### Perfect pipetting every day

Reproducible results are essential for your laboratory work! Of course, results are affected by many factors. For example, by signs of fatigue or the aspiration and dispensing speed of the liquid. With the Eppendorf Xplorer pipettes, all relevant factors, e.g., volume, speed, mixing cycles, etc., can now be precisely and reproducibly set. Every day, consistently perfect.



Comparison random errors: manual vs. electronic pipetting



## Electronic Pipetting – Redefined



**Innovative ejector**  
After tip ejection, the piston automatically returns to zero position

**Convenient handle**  
Ergonomic design according to the PhysioCare Concept

Benefit from the high quality of Eppendorf epT.I.P.S. pipette tips  
(More information [www.eppendorf.com/consumables](http://www.eppendorf.com/consumables))

**Function control softkeys**  
Edit and Help at the push of a button

**Multifunctional rocker**  
Simple logic: the “Up is up and down is down” principle

Handy,  
stylish and 100%  
Eppendorf!

**Selection dial**  
All functions at a glance and easily selectable

**Separate power socket**  
Work can continue while charging

**Practical charging contacts**  
Pipette can also be charged with the charging stand

**Modern color display**  
Self-explanatory with all parameters – without submenus

**Multilingual menu navigation**  
Various languages available for selection

**Powerful battery**  
Long service life without charging

**Ergonomic display angle**  
Optimal readability in every position



# An Intelligent Pipette!

## Eppendorf Xplorer plus

### The future in your hands

The protection of resources, saving time and guaranteed precision are important aspects of lab work everywhere. In some areas the requirements even go beyond these high standards – every second counts and errors can lead to severe consequences. Eppendorf Xplorer plus was developed for the highest of these requirements!

With the additional intelligent applications, adjustable fixed-volumes and individual programming tasks are performed much faster and easier. The Xplorer plus also includes a history function that automatically saves the last parameters for faster handling! A password can be entered to guarantee the highest degree of protection for your programming and settings.

On an integrated information display, you can see if your test series is correct or check when the next service is due. The Xplorer plus can remind you of its next service – after a specific period of time or depending on frequency of use as selected.

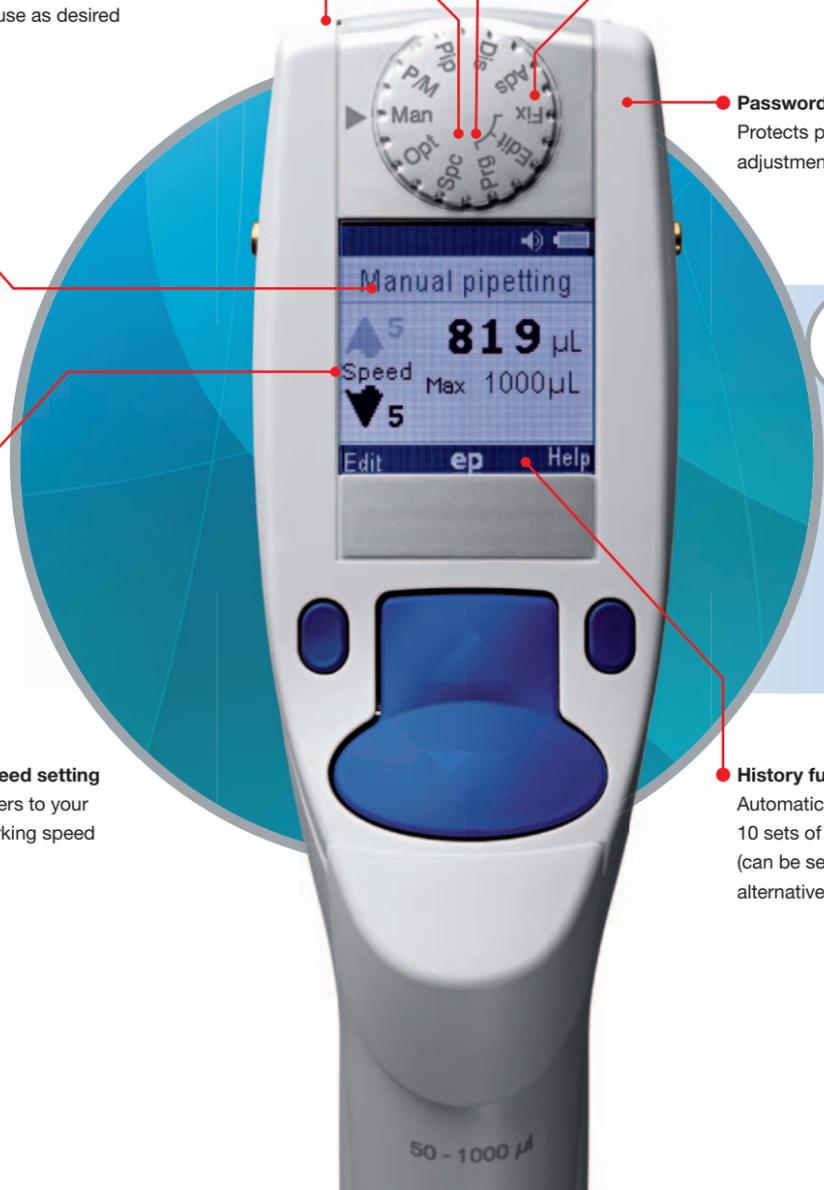
The extended version of the Eppendorf Xplorer is the perfect choice for all users who simply need a little extra – more safety and speed every day!



# The Exciting "Extras"

## Additional Features of the Eppendorf Xplorer plus

- On/off switch**  
 Switches the pipette off during longer periods of inactivity
- Additional applications**  
 Aspirating, diluting, sequential dispensing and reverse pipetting
- Programming**  
 One-time programming of sequences for easier handling of complex processes
- Display of service intervals**  
 Pipette maintenance reminder function, based on time or frequency of use as desired
- Individual fixed volume setting**  
 Desired volume can be saved
- Password protection**  
 Protects programming and adjustment
- Individual speed setting**  
 Sets parameters to your individual working speed
- History function**  
 Automatically saves the last 10 sets of parameters (can be selected as an alternative to the help function)



# For Experts – By Experts

## epT.I.P.S. Pipette Tips and Pipette Services

### The perfect team

Every valuable sample deserves the best treatment. Our epT.I.P.S. pipette tips set new standards for construction material, fit, design and ejecting effort and offer a solution for any specific requirement your samples may have!

epT.I.P.S. LoRetention, for example, features pearl effect technology for best results when pipetting detergent-containing solutions. Maximum protection from aerosols and biomolecules for pipette and sample is achieved with our ep Dualfilter T.I.P.S. and their unique two-phase filter technology.

### Further details and ordering information:

[www.ependorf.com/consumables](http://www.ependorf.com/consumables)

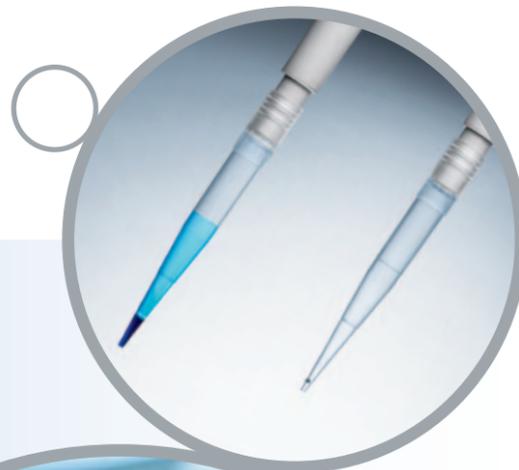
### We take care of your pipette

Regular maintenance, calibration and adjustment of your pipettes guarantees precision and prevents errors for highest quality results. We offer a wide selection of service options – from simple quick calibration to customer-specific GLP-/GMP-conformity calibration services according to national and international standards.

### For more details and local offers visit

[www.ependorf.com/epServices](http://www.ependorf.com/epServices)

**epServices**  
for premium performance



## Eppendorf Xplorer Technical Specifications and Ordering Information

### Eppendorf Xplorer®, single-channel (incl. charger)

Volume range	Volume	Systematic error	Random error	Order no.
<b>Multifunctional rocker medium gray for epT.I.P.S.® 20 µL</b>				
0.5–10 µL	1 µL	±2.5 %	±0.025 µL	4861 000.015
	5 µL	±1.5 %	±0.075 µL	
	10 µL	±1.0 %	±0.1 µL	
<b>Multifunctional rocker yellow for epT.I.P.S.® 200 µL</b>				
5–100 µL	10 µL	±2.0 %	±0.2 µL	4861 000.023
	50 µL	±1.0 %	±0.5 µL	
	100 µL	±0.8 %	±0.8 µL	
<b>Multifunctional rocker orange for epT.I.P.S.® 300 µL</b>				
15–300 µL	30 µL	±2.5 %	±0.75 µL	4861 000.031
	150 µL	±1.0 %	±1.5 µL	
	300 µL	±0.6 %	±1.8 µL	
<b>Multifunctional rocker blue for epT.I.P.S.® 1,000 µL</b>				
50–1,000 µL	100 µL	±3.0 %	±3 µL	4861 000.040
	500 µL	±1.0 %	±5 µL	
	1,000 µL	±0.6 %	±6 µL	
<b>Multifunctional rocker violet for epT.I.P.S.® 5 mL</b>				
0.25–5 mL	500 µL	±3.0 %	±15 µL	4861 000.058
	2,500 µL	±1.2 %	±30 µL	
	5,000 µL	±0.6 %	±30 µL	
<b>Multifunctional rocker turquoise for epT.I.P.S.® 10 mL</b>				
0.5–10 mL	1,000 µL	±3.0 %	±30 µL	4861 000.066
	5,000 µL	±0.8 %	±40 µL	
	10,000 µL	±0.6 %	±60 µL	

### Eppendorf Xplorer®, multi-channel (incl. charger)

Volume range	Volume	Systematic error	Random error	Order no. 8-channel	Order no. 12-channel
<b>Multifunctional rocker medium gray for epT.I.P.S.® 20 µL</b>					
0.5–10 µL	1 µL	±5.0 %	±0.05 µL	4861 000.104	4861 000.112
	5 µL	±3.0 %	±0.15 µL		
	10 µL	±2.0 %	±0.2 µL		
<b>Multifunctional rocker yellow for epT.I.P.S.® 200 µL</b>					
5–100 µL	10 µL	±2.0 %	±0.2 µL	4861 000.120	4861 000.139
	50 µL	±1.0 %	±0.5 µL		
	100 µL	±0.8 %	±0.8 µL		
<b>Multifunctional rocker orange for epT.I.P.S.® 300 µL</b>					
15–300 µL	30 µL	±2.5 %	±0.75 µL	4861 000.147	4861 000.155
	150 µL	±1.0 %	±1.5 µL		
	300 µL	±0.6 %	±1.8 µL		
<b>Multifunctional rocker medium green for epT.I.P.S.® 1,200 µL</b>					
50–1,200 µL	120 µL	±6.0 %	±7.2 µL	4861 000.163	4861 000.171*
	600 µL	±2.7 %	±16.2 µL		
	1,200 µL	±1.2 %	±14.4 µL		

The data for systematic and random deviations only applies when using Eppendorf epT.I.P.S. pipette tips.

\* Available from summer 2012.

Charging stand	Order no.	Order no.
for 1 pipette	4880 000.000	for 4 pipettes (incl. charging adapter) 4880 000.026

## Eppendorf Xplorer plus, Technical Specifications and Ordering Information

### Eppendorf Xplorer® plus, single-channel (incl. charger)

Volume range	Volume	Systematic error	Random error	Order no.
<b>Multifunctional rocker medium gray for epT.I.P.S.® 20 µL</b>				
0.5–10 µL	1 µL	±2.5 %	±0.025 µL	4861 000.708
	5 µL	±1.5 %	±0.075 µL	
	10 µL	±1.0 %	±0.1 µL	
<b>Multifunctional rocker yellow for epT.I.P.S.® 200 µL</b>				
5–100 µL	10 µL	±2.0 %	±0.2 µL	4861 000.716
	50 µL	±1.0 %	±0.5 µL	
	100 µL	±0.8 %	±0.8 µL	
<b>Multifunctional rocker orange for epT.I.P.S.® 300 µL</b>				
15–300 µL	30 µL	±2.5 %	±0.75 µL	4861 000.724
	150 µL	±1.0 %	±1.5 µL	
	300 µL	±0.6 %	±1.8 µL	
<b>Multifunctional rocker blue for epT.I.P.S.® 1,000 µL</b>				
50–1,000 µL	100 µL	±3.0 %	±3 µL	4861 000.732
	500 µL	±1.0 %	±5 µL	
	1,000 µL	±0.6 %	±6 µL	
<b>Multifunctional rocker violet for epT.I.P.S.® 5 mL</b>				
0.25–5 mL	500 µL	±3.0 %	±15 µL	4861 000.740
	2,500 µL	±1.2 %	±30 µL	
	5,000 µL	±0.6 %	±30 µL	
<b>Multifunctional rocker turquoise for epT.I.P.S.® 10 mL</b>				
0.5–10 mL	1,000 µL	±3.0 %	±30 µL	4861 000.759
	5,000 µL	±0.8 %	±40 µL	
	10,000 µL	±0.6 %	±60 µL	

### Eppendorf Xplorer® plus, multi-channel (incl. charger)

Volume range	Volume	Systematic error	Random error	Order no. 8-channel	Order no. 12-channel		
<b>Multifunctional rocker medium gray for epT.I.P.S.® 20 µL</b>							
0.5–10 µL	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861 000.767	4861 000.775
	5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL		
	10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL		
<b>Multifunctional rocker yellow for epT.I.P.S.® 200 µL</b>							
5–100 µL	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861 000.783	4861 000.791
	50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL		
	100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL		
<b>Multifunctional rocker orange for epT.I.P.S.® 300 µL</b>							
15–300 µL	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861 000.805	4861 000.813
	150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL		
	300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL		
<b>Multifunctional rocker medium green for epT.I.P.S.® 1,200 µL</b>							
50–1,200 µL	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861 000.821	4861 000.830*
	600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL		
	1,200 µL	±1.2 %	±14.4 µL	±0.3 %	±3.6 µL		

The data for systematic and random deviations only applies when using Eppendorf epT.I.P.S. pipette tips.  
\* Available from summer 2012.

**eppendorf**  
*In touch with life*

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