

NEW!



PhysioCare
concept

Great results,
congratulations!!

Simply better pipetting!

Eppendorf Xplorer – the new electronic pipette

eppendorf

Simply better pipetting

Eppendorf Xplorer

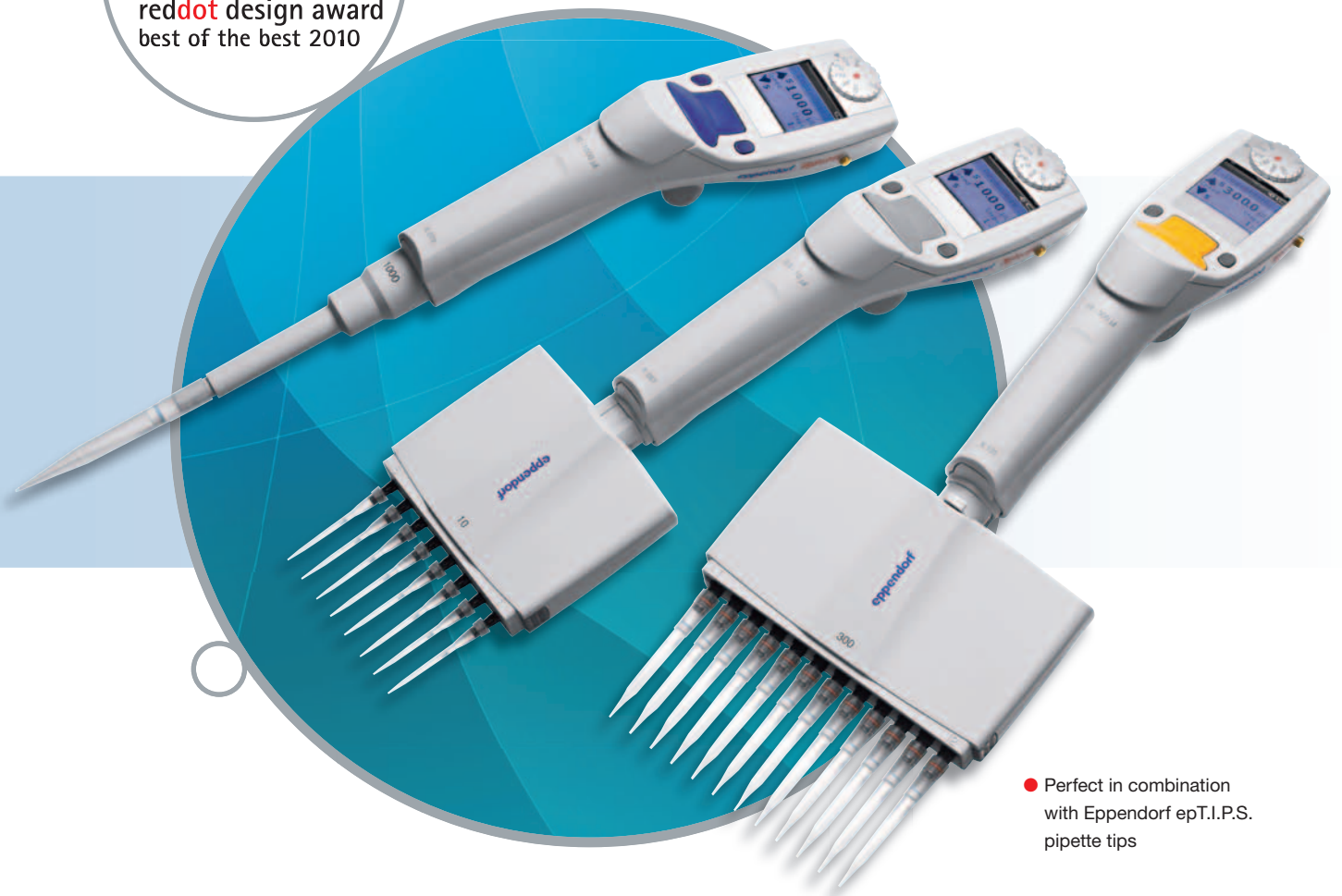
People who give 100 % every day deserve the best tool and the best equipment. You work on demanding problems, and important decisions depend on the results of your work. Your standard is extremely high and your performance is professional.

The new **Eppendorf Xplorer** electronic pipette was 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, maximum reproducible results, fatigue-free work and consistent, full control over the pipetting processes.

Online as well with interactive demo:
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 the submenus! An optional help function can be installed 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. The switch enables precisest 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 zero position – simple logic!

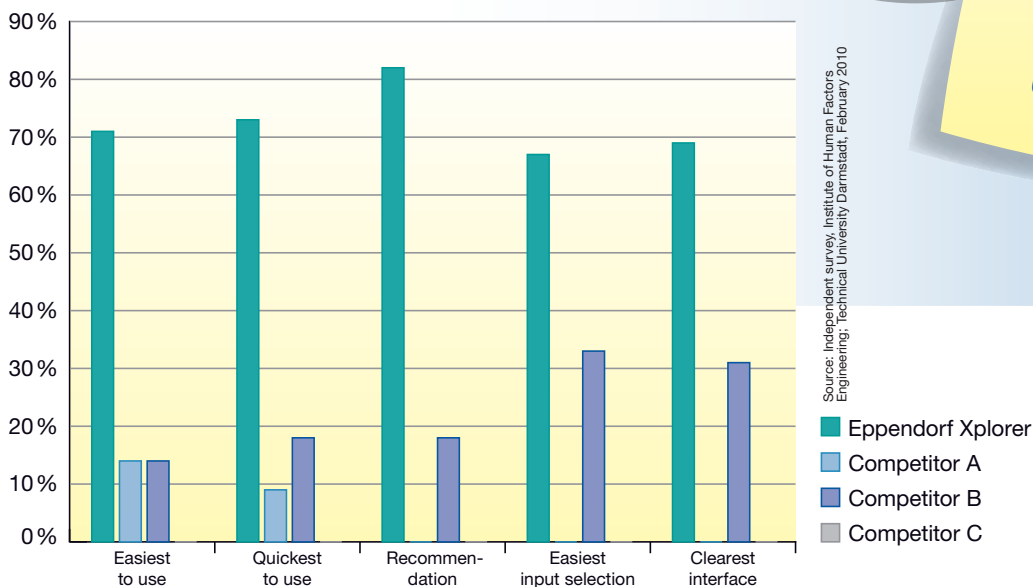
Everything under control

For slow pipetting, loading gels or dispensing supernatant, a feel for your task is required – and complete control of the piston movement! With the Xplorer, the “Manual pipetting” function and operational rocker make precise and flexible directional control of the piston possible. You have the control. Always and easy!



Pick up and get going – awesome :-)

Survey operating concept



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

Trouble-free dispensing

PhysioCare Concept

Relaxed to the finish line

Eppendorf Xplorer was developed and produced by renowned ergonomics experts according to the high criteria of the PhysioCare Concept.

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

Improved view

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

Improved balance of energy

The more energy you need to expend, the quicker 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.



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



Reliably reproducible results

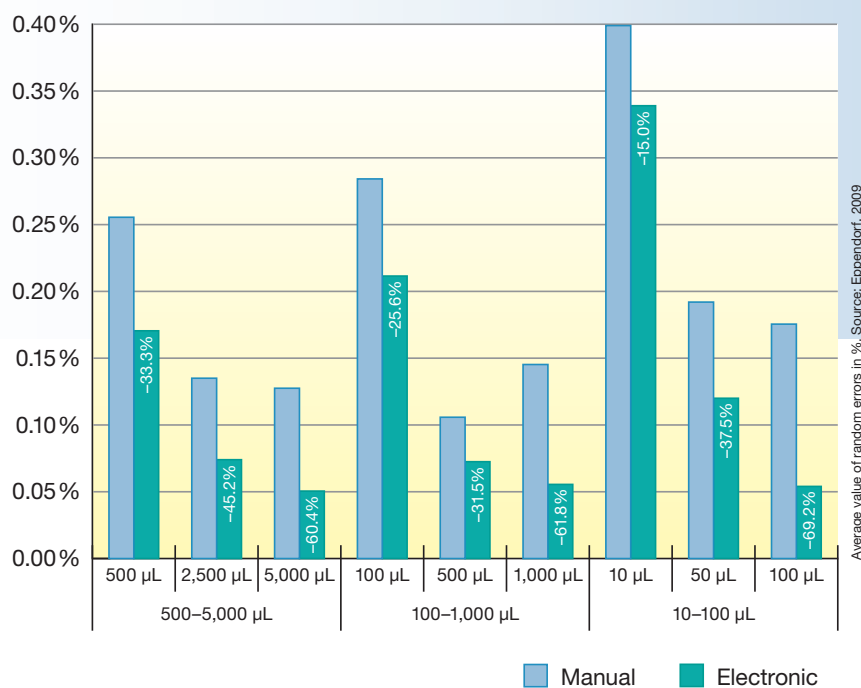
Dispensed precisely to the point. And as often as you would like.

When tips are optimally seated

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



Comparison random errors: manual vs. electronic pipetting



Perfect pipetting every day

Reproducible results are essential for your laboratory work! Of course, dispensing 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, all relevant factors, e.g., volume, speed, mixing cycles, etc., can now be precisely and reproducibly set. Every day, consistently perfect.

Individual pipetting everywhere

No matter where you are in the world, or which liquid you're using: Eppendorf Xplorer 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.

Electronic pipetting – redefined

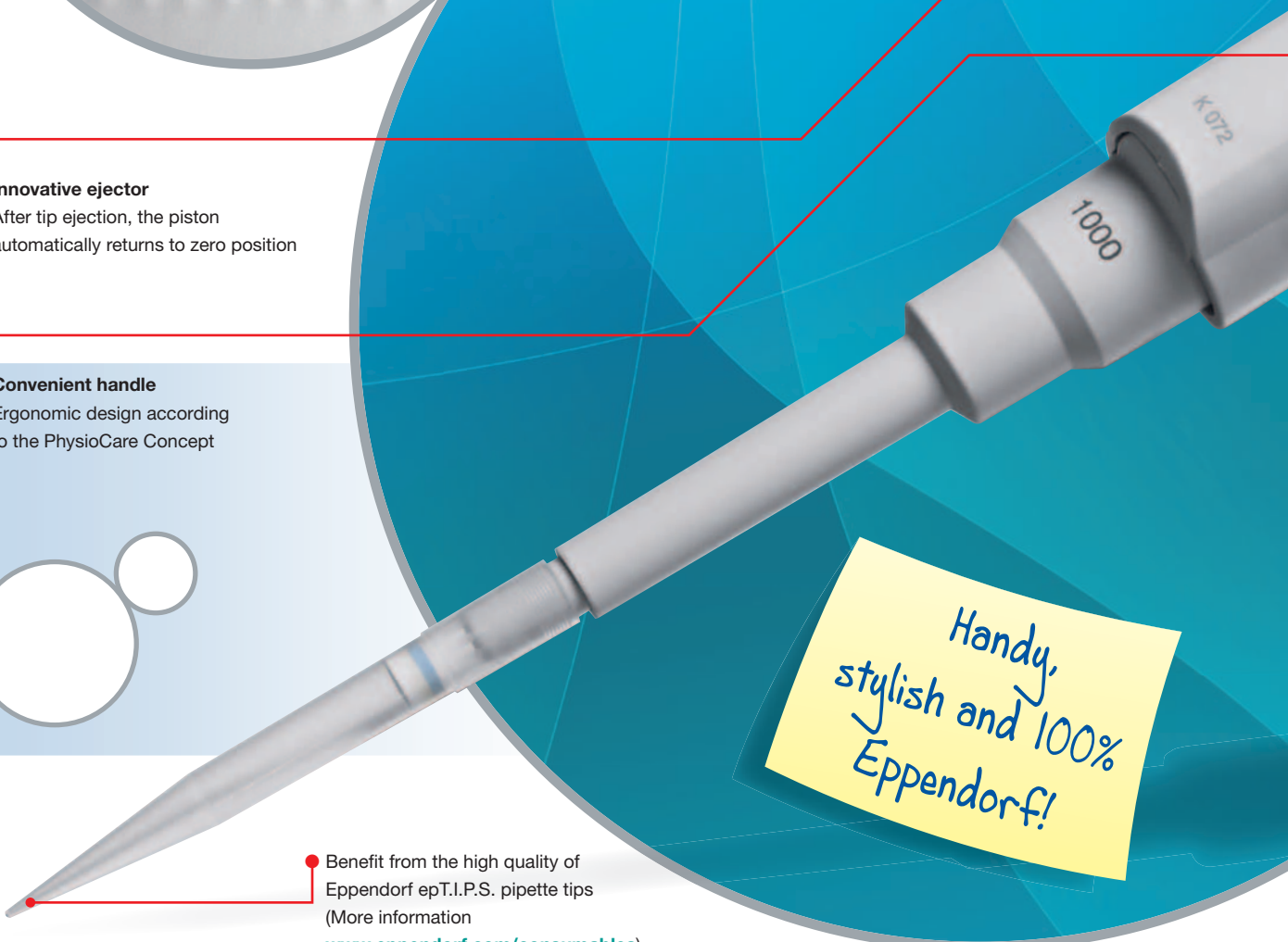
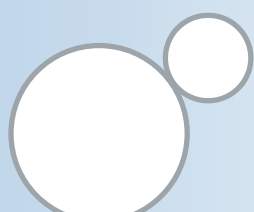


● **Function control softkeys**
Edit and Help at the push of a button

● **Multi-function rocker**
Simple logic: the “Up is up and down is down” principle

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

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



Handy,
stylish and 100%
Eppendorf!

● Benefit from the high quality of Eppendorf ep.T.I.P.S. pipette tips (More information www.eppendorf.com/consumables)



Selection dial
All functions at a glance
and easily selectable

Separate power socket
Work continues while the
Xplorer is 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



Eppendorf Xplorer Technical Specifications and Ordering Information

Single-channel Eppendorf Xplorer® (incl. charger)

Volume range	Volume	Systematic deviation		Random deviation		Order no.
Medium gray multi-function rocker for 20 µL epT.I.P.S.® pipette tips						
0.5–10 µL	1 µL	±2.5 %	±0.025 µL	±1.8 %	±0.018 µL	4861 000.015
	5 µL	±1.5 %	±0.075 µL	±0.8 %	±0.04 µL	
	10 µL	±1.0 %	±0.1 µL	±0.4 %	±0.04 µL	
Yellow multi-function rocker for 200 µL epT.I.P.S.® pipette tips						
5–100 µL	10 µL	±2.0 %	±0.2 µL	±1.0 %	±0.1 µL	4861 000.023
	50 µL	±1.0 %	±0.5 µL	±0.3 %	±0.15 µL	
	100 µL	±0.8 %	±0.8 µL	±0.2 %	±0.2 µL	
Orange multi-function rocker for 300 µL epT.I.P.S.® pipette tips						
15–300 µL	30 µL	±2.5 %	±0.75 µL	±0.7 %	±0.21 µL	4861 000.031
	150 µL	±1.0 %	±1.5 µL	±0.3 %	±0.45 µL	
	300 µL	±0.6 %	±1.8 µL	±0.2 %	±0.6 µL	
Blue multi-function rocker for 1,000 µL epT.I.P.S.® pipette tips						
50–1,000 µL	100 µL	±3.0 %	±3 µL	±0.6 %	±0.6 µL	4861 000.040
	500 µL	±1.0 %	±5 µL	±0.2 %	±1 µL	
	1,000 µL	±0.6 %	±6 µL	±0.2 %	±2 µL	
Violet multi-function rocker for 5 mL epT.I.P.S.® pipette tips						
0.25–5 mL	500 µL	±3.0 %	±15 µL	±0.6 %	±3 µL	4861 000.058
	2,500 µL	±1.2 %	±30 µL	±0.3 %	±6.25 µL	
	5,000 µL	±0.6 %	±30 µL	±0.15 %	±7.5 µL	
Turquoise multi-function rocker for 10 mL epT.I.P.S.® pipette tips						
0.5–10 mL	1,000 µL	±3.0 %	±30 µL	±0.6 %	±6 µL	4861 000.066
	5,000 µL	±0.8 %	±40 µL	±0.2 %	±10 µL	
	10,000 µL	±0.6 %	±60 µL	±0.15 %	±15 µL	

Multi-channel Eppendorf Xplorer® (incl. charger)

Volume range	Volume	Systematic deviation		Random deviation		Order no. 8-channel	Order no. 12-channel
Medium gray multi-function rocker for 20 µL epT.I.P.S.® pipette tips							
0.5–10 µL	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861 000.104	4861 000.112
	5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL		
	10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL		
Yellow multi-function rocker for 200 µL epT.I.P.S.® pipette tips							
5–100 µL	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861 000.120	4861 000.139
	50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL		
	100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL		
Orange multi-function rocker for 300 µL epT.I.P.S.® pipette tips							
15–300 µL	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861 000.147	4861 000.155
	150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL		
	300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL		
Green multi-function rocker for 1,200 µL epT.I.P.S.® pipette tips							
50–1,200 µL	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861 000.163	—
	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.

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

eppendorf
In touch with life

Your local distributor: www.eppendorf.com/worldwide

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