

ErgoOne® FAST: that's how ergonomics meets modernity.



Fast pipetting, maximum precision: ErgoOne® FAST.

EFFICIENT PIPETTING

During the development of the ErgoOne® FAST pipette controller, a high pipetting speed was recognised as an important feature.

The result is convincing!

The ErgoOne® FAST can fill a 25 ml pipette in less than 4 seconds!

ERGONOMY MEETS MODERNITY

Every aspect of the ErgoOne® FAST has been developed with ergonomics in mind.

ErgoOne® FAST is one of the lightest pipette controllers on the market. It is designed for comfort and balances perfectly in the hand for long, fatigue-free pipetting.



WATCH VIDEO



...AND WHAT DOES THE FAST STAND FOR?

FLEXIBLE

Use with all glass or plastic pipettes from 1.0 ml up to 100 ml.

ACCURATE

Smooth operation of the aspirating and dispense control buttons provides fast and accurate pipetting.

SAFE

Optimised sealing system and universal pipette holder provides a safe and leak-free seal for all pipettes.

TRANSFER

Lightweight and ergonomic. Provides fatigue-free transfer of liquids, even during long periods of use.

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Little details make a big difference.



1 LIGHTWEIGHT FOR MAXIMUM OPERATING COMFORT

ErgoOne® FAST is lightweight and ergonomic. Designed to balance perfectly in the hand during use and provide maximum operating comfort for fatigue-free pipetting.

2 PRESSURE-RESPONSIVE SPEED CONTROLS

The aspirating and dispensing speeds are easily regulated by pressure-sensitive control buttons. Unlike other controllers, there is no need to select a separate speed setting, which makes the ErgoOne® FAST very flexible and practical to use.

3 BATTERY-LIFE INDICATOR

Uses a traffic light system for easy, visual identification.

The ErgoOne® FAST can be recharged during use so you will never be without your pipette controller.

4 SAFE AND SECURE FIT FOR ALL PIPETTES

The ErgoOne® FAST can be used with all glass or plastic pipettes, from 1.0 ml to 100 ml. The autoclavable aspiration cone and silicone pipette holder ensures a secure seal for your liquids while the filter protects your pipette.

5 HOURS OF PIPETTING VIA MODERN BATTERY TECHNOLOGY

Completely charged, the battery can perform 2000 x 25 ml dosing cycles. The Lithium-Polymer battery technology guarantees a constant pipetting speed that will not diminish as the battery charge declines.

The battery is also very easy to replace!

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Perfect fit for your daily applications.

- Transfer of liquid volumes from 1.0 ml to 100 ml
- Serial dispensing of aliquots of different volumes
- Resuspension of bacteria or cell pellets and nucleic acid precipitates
- Aspiration of cell layer from, eg, gradient centrifugation
- Phase extraction and removal of lower phases
- Battery status display uses traffic light system for easy, visual identification.

Green: battery fully charged.


Yellow: battery half charged.

Red: battery almost empty – recharge immediately.



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Ordering information.

Description	Pack Size	Art. No.
 ErgoOne® FAST Pipette Controller*	1	S7166-0010

Accessories

 ErgoOne® FAST Benchtop Support	1	P7166-6306
 Replacement/Additional Wall Mount	1	P7166-6402
 Sticky tape for wall mount	1	P7166-6701
 0.2 µm Membrane Filter, PTFE (Sterile)	5	P7166-6605
 0.45 µm Membrane Filter, PTFE (Sterile)	5	P7166-6800
 Replacement Seal for Filter Adapter	5	P7166-6904
 Replacement Pipette Adapter (Silicone)	1	P7166-6002
 Replacement Aspiration Cone	1	P7166-6103
 Replacement Lithium Polymer Battery	1	P7166-6501
 Replacement Power Supply	1	P7166-6109

*ErgoOne® FAST is supplied with a battery, a power supply, 0.2 µl filter, 0.45 µl filter, and a wall mount.

Technical specifications	
Battery	Lithium Polymer Battery
Charging Time	~3 h
Battery Life	~2000 x 25 ml dispensing cycles from a fully-charged battery
Permissible Ambient Temp.	5 °C to 40 °C, (10% to 90% Humidity)
Atmospheric Pressure	79.5 – 106 kPa
Weight	160 g (with battery)
Materials	Housing: Polypropylene Membrane Filter PTFE Pipette Adapter: Silicone
Voltage	Input: 100 V – 240 V AC±10% Output: 5V
Frequency	50 Hz – 60 Hz



Just one click away:
order your **ErgoOne® FAST** online.

Starlab's ErgoOne® FAST is a perfect tool for anyone looking for comfortable and fatigue-free pipetting, even during long periods of use.

Handy benchtop support allows you to place the controller on the bench or hood floor without risk of contamination

**ErgoOne® FAST
Benchtop Support**
Art. No: P7166-6306

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Smooth operator: the StarPet filler.

WIDE VERSATILITY & COMPATIBILITY

This manual pipette filler has an exceptionally smooth operation. Two dispense modes: one delivers fast filling with optimal accuracy for 10 ml to 25 ml pipettes; the other is for use with 1.0 ml to 10 ml pipettes where accuracy can sometimes be difficult to control. Compatible with Blow-Out, 'To Deliver' (TD) or gravity dispense pipettes

PRODUCT FEATURES

- Use with all plastic or glass pipettes, 1.0 ml to 25 ml
- Exceptionally smooth operation
- Autoclavable silicone pipette holder



Description	Pack Size	Art. No.
StarPet Filler (manual)	1	E4866-2000
Silicone Pipette Holder	1	E4266-0040

Serological Pipettes.

SEROLOGICAL PIPETTES

Polystyrene pipettes for sterile serological and tissue culture applications. Colour-coding on both the pipettes and the packaging provides easy volume identification.

Volume	Colour Coding	Pack Size	Art. No.
1.0 ml	Yellow	500	E4860-0001
2.0 ml	Green	500	E4860-0002
5.0 ml	Blue	200	E4860-0005
10 ml	Orange	200	E4860-0010
25 ml	Red	150	E4860-0025
50 ml	Purple	100	E4860-0050
100 ml	Pink	50	E4860-1100

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Lot number and expiry date printed on every aspiration and serological wrap



KEY BENEFITS

- Accuracy $\pm 2\%$
- Colour coded, individual paper-plastic peel-back wraps with printed lot number and expiry date
- Pipettes are colour coded for easy volume identification
- Black printed, easy to read ascending and descending graduations
- Bidirectional graduations on pipettes 10 ml and above
- Gamma sterilised to SAL 10^{-6} (ISO 11137)
- Certified RNase, DNase, Pyrogen and latex free
- Non-cytotoxic and non-haemolytic USP Class VI Polystyrene
- ISO9001 and ISO13485 manufactured
- Supplied in convenient, dispenser style boxes



Serological pipettes are supplied in convenient dispenser-style boxes for easy access when stacked

Aspirator.

USE TWO HAND CONTROLLERS WITHOUT ANY LOSS OF PERFORMANCE

The Starlab Aspirator is designed for the safe and efficient aspiration of fluids. The vacuum level and suction power is adjustable in eight steps (150 to 850 mbar) for safe and reproducible working.

The chemically-resistant pump automatically switches on/off to reduce noise level in the workplace. The ergonomically-designed hand controller is fully autoclavable. Collection containers are available in two options; 4 L polypropylene and 2 L glass bottles. You can also use the Aspirator as a mobile vacuum source for sterile filtration and solid phase extraction.



Easy to handle

Pressing the lever allows fine adjustment of the suction power. Permanent suction can also be enabled.



8-channel tip adapter

The 8-channel adapter for 200 µl and 300 µl pipette tips is the perfect choice for working with cell culture plates.



Hydrophobic filter

Hydrophobic filter prevents contamination of environment and provides overflow protection.



Quick coupling

Autoclavable, self-sealing quick coupling allows safe decontamination of biological risks.

- The powerful pump can operate two hand controllers without any loss of performance
- Chemically-resistant, high performance pump with long service life
- Auto ON-OFF pump switch with low noise emission for a quieter working environment
- Ergonomic, fully autoclavable hand controller
- Intuitive, reproducible adjustment of suction power via touch panel

Technical specifications

Maximum pumping speed	16.7 l/min
Adjustable range of vacuum	150 – 850 mbar
Maximum permissible inlet/outlet pressure	1.1 bar
Noise level	45 dB(A)
Permissible ambient temperature	10 – 40 °C
Permissible relative humidity	38 – 85 %
Maximum power consumption	40 W
Power supply	230 V + 10 %, 50/60 Hz
Weight	7.3 kg
Dimensions (W x D x H)	408 x 194 x 500 mm

THE IMPORTANCE OF ACCESSORIES! HERE'S A GUIDE OF WHAT TO BUY.

To add an exchange bottle:

N2400-9010 (fast coupling N2400-9008 also recommended)

To have a self-sealing system applicable for biological risks:

N2400-9008 plus N2400-9009

N2400-9000¹⁾ includes everything you need to get started: Aspirator, 4 Litre Polypropylene Bottle with Protection Filter and Inlet Pipe, Hand Controller, including 2.5 m Tubing, a Wall Mount, an Adapter for Pipettes, and an Adapter for Pipette Tips.

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To have a benchtop stand for your Hand Controller:

N2400-9004

To have a fast coupling system:

N2400-9008 plus N2400-9009.

To use stronger chemicals (eg. sodium hypochlorite) or staining solutions:

N2400-9012 plus N2400-9013

To work with cell culture plates:

N2400-9003

To add a second Hand Controller:

N2400-9001 plus N2400-9006 or N2400-9008

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To have a tip ejector for your Hand Controller:

N2400-9002

To have easy access to your under bench Aspirator

N2400-9014



Description

Art. No.



Aspirator

N2400-9000

¹⁾ Aspirator is supplied with everything you need to get started. 1-year warranty.

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Accessories



Hand Controller for Aspirator.
Includes one Adapter for Pipettes, one Adapter for Pipette Tips, a Wall Mount, and 2.5 m Tubing.

N2400-9001



1-Channel Tip Adapter for Hand Controller

N2400-9002



8-Channel Tip Adapter for Hand Controller

N2400-9003



Stand for Hand Controller

N2400-9004



Tubing for Hand Controller (2.5 m)

N2400-9005



Connection Kit for Second Hand Controller

N2400-9006



Protection Filter with Connective Tubing

N2400-9007



Quick Coupling: Hand Controller to Bottle

N2400-9008



Quick Coupling: Bottle to Pump

N2400-9009



4 Litre Polypropylene Bottle with Filter and Inlet Pipe

N2400-9010



4 Litre Polypropylene Bottle with Screw Cap

N2400-9011



2 Litre Glass Bottle with Filter and Inlet Pipe

N2400-9012



Adapter for 2 Litre Glass Bottle

N2400-9013



Mobile Underframe

N2400-9014



Tool for Diaphragm Change

N2400-9015



Adapter for Pipettes

N2400-9016

Aspiration pipettes.

ASPIRATION PIPETTES

Use for vacuum aspirating procedures or the transfer of fluids where volume accuracy is not a requirement.



Volume	Pack Colour	Pack Size	Art. No.
2.0 ml	Black	500	E4861-0002
5.0 ml	Blue	200	E4861-0005
10 ml	Orange	200	E4861-0010

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Lot number and expiry date printed on every aspiration and serological wrap



KEY BENEFITS

- Accuracy $\pm 2\%$
- Colour coded, individual paper-plastic peel-back wraps with printed lot number and expiry date
- Gamma sterilised to SAL 10^{-6} (ISO 11137)
- Certified RNase, DNase, Pyrogen and latex free
- Non-cytotoxic and non-haemolytic USP Class VI Polystyrene¹
- ISO9001 and ISO13485 manufactured
- Supplied in convenient, dispenser style boxes



Aspiration pipettes are supplied in convenient dispenser-style boxes for easy access when stacked



Bottle Top Filtration Units.

OPEN WIDE FOR EFFICIENCY & THE ENVIRONMENT!

Starlab's Bottle Top Filtration units have a wide base for stability and a wide, easily accessible bottle top for fast and efficient use.

The reservoir bottle caps are easy to loosen and tighten and the clever hose connector is designed to fit multiple hose diameters.

Robust and compact, Starlab's new filtration units save on valuable space and plastic waste with minimal vacuum packaging to ensure cleanliness. Each unit is manufactured in a Class 100,000 clean room environment and printed with the batch number for easy traceability as well as the expiry date



Image shows caps for securing the lower bottles when full, placed on top of each unit.

Bottle Volume	Pack Size	Art. No. 0.22 µm	Art. No. 0.45 µm
150 ml	12	CC8221-3226	CC8221-3456
250 ml	12	CC8221-4226	CC8221-4456
500 ml	12	CC8221-5226	CC8221-5456
1000 ml	12	CC8221-6226	CC8221-6456

 starlab.click/filtration



T: +49 (0)40 675 99 39 0
info@starlab.de
www.starlab.de



T: +44 (0)1908 283800
infoline@starlab.co.uk
www.starlab.co.uk



T: +33 (0)1 60 13 71 70
info@starlab.fr
www.starlab.fr



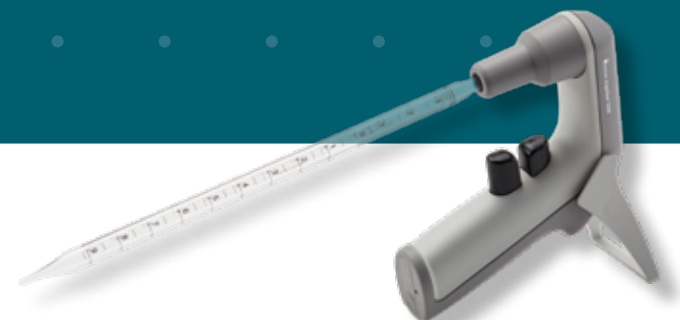
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T: +39 (0)2 7020 1040
info@starlab.it
www.starlab.it



T: +41 56 6645 980
info@starlab.ch
www.starlab.ch



FLEXIBLE. ACCURATE. SAFE. TRANSFER.

The ErgoOne® FAST is an essential bit of kit for any lab. As one of the lightest pipette controllers on the market, it offers comfortable and fatigue-free pipetting even during long periods. The ErgoOne® FAST provides you with fast, accurate and safe liquid transfer to help speed up your laboratory tasks.

Find out more about the ergonomics of the ErgoOne® FAST on our website.

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