



The world's most advanced electronic pipette

A brand new concept in electronic pipetting

One handle, eleven interchangeable modules

'Ten plus one'. The Finn timer® BioControl is a major step forward in electronic pipetting technology. This new-generation product is a complete liquid handling system – with one universal handle and eleven interchangeable tip cone modules. The 'ten plus one' handle fits all five single channel and six multichannel tip cone modules, including the new 8-channel 1500 µl module for high-volume applications. A snap-lock band makes it fast and easy to switch from one module to another.

Strong on features

The Finn timer BioControl has been designed for comfort, ease of use, flexibility, speed, accuracy and safety. Along with the universal handle, it offers many other advanced features:

- Natural 'trigger action' pipetting
- Soft-touch tip ejection (right or left-handed)
- Simple-to-select pipetting modes (regular and stepper)
- Forward and reverse pipetting, without a separate programming step
- Three pipetting speeds
- Fully autoclavable tip cone module
- Automatic power cutoff and restart
- User calibratable with easy-to-use software
- New 8-channel 1500 µl module



The digital display has large, easy-to-read figures. Mode and volume are always indicated during pipetting. In stepper mode pipetting, the display counts down the strokes, and 'blow-out' appears on screen at the end of the sequence, signalling that all the liquid has been dispensed.

Tip ejection is easier than ever with the Finn timer BioControl, thanks to a patented power-boosted gearing mechanism.



Depending on the viscosity of the fluid, the pipetting speed can be set for slow, regular or fast pipetting.

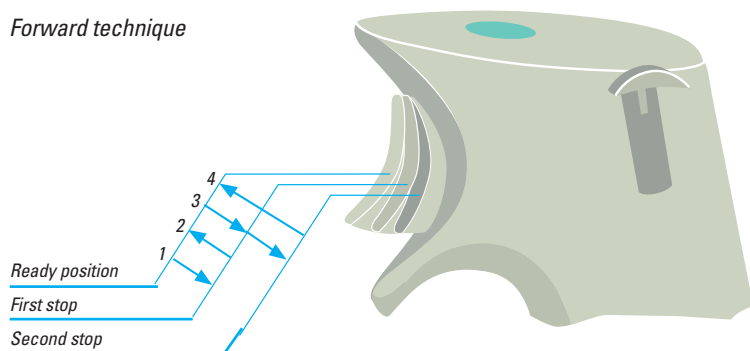
With the Finn timer BioControl, your index finger does the work, using one of the hand's most natural movements. Just press the trigger softly. 'Natural action' pipetting increases comfort and eliminates the risk of repetitive stress injuries.

Everything you need in a multichannel pipette

Higher productivity, less effort

Multichannel pipetting is the most convenient way to fill microplates. The Finnpipette BioControl multichannel, with its electronically-assisted pipetting action, makes even lighter work of immunoassays and other routine laboratory tasks. In today's busy labs, this translates into higher productivity, improved accuracy and more reliable results.

Forward technique



Just a soft touch activates the dual-stop trigger, which has been designed to mimic the feel of manual pipetting. For forward pipetting, press the trigger to the first stop, dip the tip in the solution and release the trigger. To dispense the liquid, press the trigger to the second stop. Release the trigger, and begin again. Reverse pipetting is also possible, without a separate programming step.



To ensure sterility and avoid cross-contamination, the entire tip cone module can be removed and autoclaved. And for optimum comfort and convenience when pipetting, the tip cone module rotates



Technical specifications

Finnpipette BioControl Single Channel ¹⁾

Cat.no.	Description	Channels	Module volumes
4520 X00	FP BioControl	1	5-40 µl, 40-200 µl, 200-1000 µl
4520 X10	FP BioControl	1	1-5 ml, 2-10 ml

X=0=Eur, 1=USA, 2=Japan, 3=UK, 4=Australia

1) Each universal handle is sold with two or three single channel tip cone modules, or one multichannel tip cone module.

Finnpipette BioControl Single Channel modules ²⁾

Cat. no.	Range	Increment	Volume µl	Accuracy µl %	Precision s.d.µl CV %*	Finntip
2205 990	5-40 µl	0.1 µl	40 µl 5 µl	±0.240 ±0.6 ±0.125 ±2.5	0.120 0.3 0.100 2.0	250 Univ., 300, 200 Ext.
2206 000	40-200 µl	1.0 µl	200 µl 40 µl	±1.20 ±0.6 ±0.44 ±1.1	0.60 0.3 0.32 0.8	250 Univ., 300, 200 Ext.
2206 010	200-1000 µl		1.0 µl 200 µl	1000 µl ±6.0 ±1.8 ±0.9	±0.6 2.0 1.2 0.6	0.2 1000, 1000 Ext.
2206 020	1-5 ml	0.01 ml	5000 µl 1000 µl	±25.0 ±0.5 ±10.0 ±1.0	10.0 0.2 4.0 0.4	5 ml
2206 030	2-10 ml	0.01 ml	10000 µl 2000 µl	±50.0 ±0.5 ±20.0 ±1.0	20.0 0.2 6.0 0.3	10 ml

* s.d. = Standard Deviation, CV = Coefficient of Variation

2) Accuracy and precision values only valid for the pipetting mode.

Finnpipette BioControl Multichannel ¹⁾

Cat. no.	Description	Channels	Volume
4531 X00	FP BioControl	8	5-50 µl
4531 X10	FP BioControl	8	50-300 µl
4531 X20	FP BioControl	12	5-50 µl
4531 X30	FP BioControl	12	50-300 µl
4531 X40	FP BioControl	8	0.5-10 µl
4531 X50	FP BioControl	8	150-1500 µl

X=0=Eur, 1=USA, 2=Japan, 3=UK, 4=Australia

1) Each universal handle is sold with two or three single channel tip cone modules, or one multichannel tip cone module.

Finnpipette BioControl Multichannel modules ²⁾

Cat. no.	Chan-nels	Range µl	Incre-ment	Volume µl	Accuracy µl %	Precision s.d.µl CV %*	Finntip
2206 050	8	0.5-10	0.1 µl	10 µl 1 µl	±0.24 ±2.4 ±0.12 ±12.0	0.16 1.6 0.08 8.0	10, 20, 50
2205 240	8	5-50	1.0 µl	50 µl 5 µl	±0.75 ±1.5 ±0.25 ±5.0	0.35 0.7 0.10 2.0	250 Univ., 300, 200 Ext.
2205 680	12	5-50	1.0 µl	50 µl 5 µl	±0.75 ±1.5 ±0.25 ±5.0	0.35 0.7 0.10 2.0	250 Univ., 300, 200 Ext.
2205 250	8	50-300	1.0 µl	300 µl 50 µl	±3.0 ±1.0 ±2.3 ±4.6	0.9 0.3 0.8 1.5	250 Univ., 300, 200 Ext.
2205 690	12	50-300	1.0 µl	300 µl 50 µl	±3.0 ±1.0 ±2.3 ±4.6	0.9 0.3 0.8 1.5	250 Univ., 300, 200 Ext.
2206 060	8	150-1500	1.0 µl	1500 µl 150 µl	±15.0 ±1.0 ±6.0 ±4.0	4.5 0.3 3.8 2.5	Multistepper

2) Accuracy and precision values only valid for the pipetting mode.

* s.d. = Standard Deviation, CV = Coefficient of Variation

BioControl module hanger

Cat. no.	Description
2206 490	BioControl module hanger



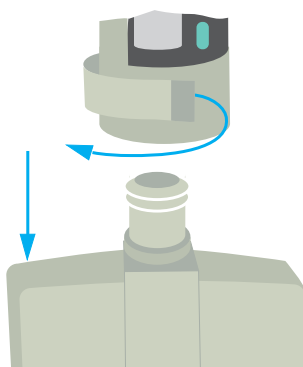
The BioControl recharge and storage stand has a rapid recharge (45-60 minutes) function. Overnight recharge is activated automatically when the Finn timer pipette is placed on the stand. The universal handle emits an audible recharge signal when the battery is going low, and a recharge message flashes on the display.

High-performance single channel pipetting

Lightweight comfort, soft-touch safety

Safety and comfort are built into the Finnpiquette BioControl. The lightweight handle is ergonomically designed to improve operator comfort and efficiency. With its rounded shape and compact dimensions, the handle is a perfect fit – for effortless 'easy on-the-hands' operation.

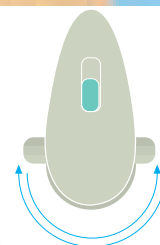
To enhance the safety of pipetting, tip ejection is easier than ever – for both single channel and multichannel pipettes. Innovative gearing technology reduces the force needed to eject the tips. Even multichannel tip cone modules can be ejected with one hand – with just a light push of the lever.



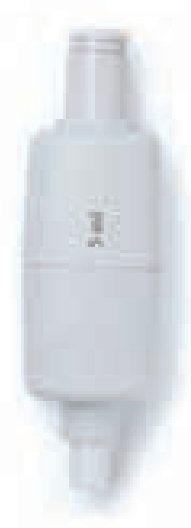
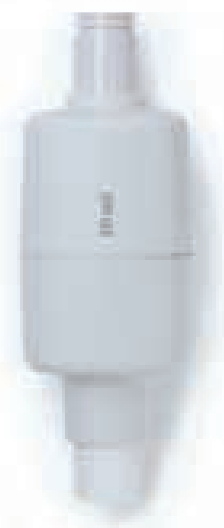
The tip cone module is easy to remove by sliding back the snap lock and pulling out the module.



By sliding the lever around the top of the handle, the soft-touch tip ejector can be positioned for right- or left-handed use.



With the addition of the new eight-channel 1500 μ l module, the Finnpiquette BioControl (SCP and MCP) covers a volume range from 0.5 μ l to 10 ml. Accuracy and precision are factory certified for the specified volume range. When needed, the BioControl can be recalibrated in the lab, using a separate PC program supplied with the pipette.



Head office *

Labsystems Oy
Liquid Handling Division
P.O. Box 208
FIN-00811 Helsinki
Finland
Tel. +358-9-329 100
Fax +358-9-3291 0414

Subsidiaries

Belgium *

Labsystems Benelux B.V.
Rue de la Technologie, 47
B-1082 Brussels
Tel. +32-2-482 3030
Fax +32-2-482 3031

China

Shanghai

Shanghai Labsystems Co., Limited
3rd Floor, No. 2218 Jin Sui RD.
Jin Qiao Export Processing Zone, Pudong
Shanghai 201206
P.R. China
Tel. +86-21-5665 0105
Tel. +86-21-5031 5599
Fax +86-21-5031 6655

Beijing

Labsystems China
Suite 1015 Block J
Huiyuan Int'l Bldg
Asian Game Village
100101 Beijing
Tel. +86-10-6494 4479
Fax +86-10-6499 2168

Guangzhou

Labsystems China
RM 709 Metro Plaza
183 Tian He Bei Road
Guangzhou 510620
Tel. +86-20-8755 3364
Fax +86-20-8755 3369

France

Labsystems S.A.
Le Minnesota
Eragny Park
BP 249
95 612 Cergy-Pontoise Cédex
Tel. +33-1-3432 5151
Fax +33-1-3432 5159

Germany

Labsystems GmbH
Berner Strasse 53
60437 Frankfurt am Main
Tel. +49-69-5091 9672
Fax +49-69-5091 9698

India

Mumbai

Labsystems Oy
India Branch Office
SB 3&4, Karmastambha
Opp. MTNL Office
L.B.S. Marg, Vikhroli
Mumbai 400 083
Tel. +91-22-579 0450
Tel. +91-22-579 0451
Fax +91-22-579 0419

Hyderabad

Labsystems Oy
Regional Office - South Zone
314, B-Block, III rd floor
Shree Datta Sai
Commercial Complex
Opp. Saptagiri Theater,
C.I.T. Cross Road
Hyderabad - 500 020
Tel. +91-40-761 6277

New Delhi

Labsystems Oy
Regional Office - North Zone
B-415/416, Somdutt Chamber-1
5, Bhikaji Kama Place
New Delhi 110 066
Tel. +91-11-610 2359
Fax 91-11-610 2369

Japan

Tokyo *

Thermo BioAnalysis Japan K.K.
Esupowaru 21
130-16, Yamabuki-cho
Shinjuku-ku
Tokyo 162
Tel. +81-3-5261 0231
Fax +81-3-5261 0230

Osaka

Thermo BioAnalysis Japan K.K.
Takahara Bldg. 3-20-4
Nishinakajima
Yodogawa-ku
Osaka 532-0011
Tel. +81-6-390 1971
Fax +81-6-390 1972

The Netherlands

Labsystems Benelux B.V.
Heerbaan 220
NL-4817 Breda
The Netherlands
Tel. +31-76-571 4440
Fax +31-76-587 9757

Russia

Saint-Petersburg

Labsystems SPb
ul. Shvecova, 41
198095 Saint-Petersburg
Tel. +7-812-325 8045
Fax +7-812-186 1194
E-mail:
mailbox.spb@thermobio.com

Moscow

Labsystems Group
Ul. Profsojuznaya 57, office 714
117420 Moscow
Tel. +(7 095) 755 9046
Tel. +(7 095) 332 0368
Fax +(7 095) 334 2655
E-mail: labsys@glasnet.ru

Spain

BioAnalysis Labsystems S.A.
Acero, 30-32 Planta 2, Mod. 3
Edificio Sertram
08038 Barcelona
Tel. +34-93-223 3154
Fax +34-93-223 0857

Sweden

Labsystems AB
Heliosvägen 1 B
120 30 Stockholm
Tel. +46-8-742 0390
Fax +46-8-742 0947

USA *

Labsystems Inc.
8 East Forge Parkway
Franklin MA 02038
Tel. +1-800-522-7763
Tel. +1-508-520-0009
Fax +1-508-520-2229

* Global Finn timer Service centers

Manufactured by:

Distributed by:



Labsystems

Labsystems Oy
P.O. Box 208, FIN-00811 Helsinki, Finland
Tel. +358-9-329 100, Fax +358-9-3291 0414
www.finnpipette.com

A THERMO BIOANALYSIS COMPANY