

■ Maxi-volume Liquid Handling

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■ Midi Plus Pipetting Controller

Excellent Performance and Ergonomics



The Midi Plus is a lightweight electronic cordless pipetting controller, which allows aspiration from bottles and tubes, without the arm and hand elevations required in the case of serological or volumetric pipettes.

It fits all commonly used 1 – 100 ml glass or plastic pipettes, but can also be used with Sartorius 5 ml and 10 ml disposable tips. The speed can be fine-tuned by applying varying finger pressure to the operating buttons.

The Midi Plus is ideal, for example, in microbiological work: dispensing into a culture media dish can be performed carefully, drop by drop, without breaking the fine surface of the medium.

- Stepless speed control
- Hydrophobic autoclavable filter protects the device in case of over-aspiration
- Convenient fold-out bench stand supports the unit and pipette when not in use
- Low battery warning

□ Features

Pipette types	Plastic or glass 1 – 100 ml Pasteur pipettes 5 ml and 10 ml Sartorius pipette tips
Rechargeable during use	Yes
Speed control	Stepless adjustable control
Gravity dispensing	Yes
Stand	Attached support
Weight	207 g
Low battery indicator	Yes
Autoclavable parts	Nose cone, pipette holder and filter





□ Ordering Information

Order Code	Item	Qty/Unit
710931	Midi Plus Pipetting Controller with Universal Charger ¹	1
LH-7129120	Replacement filter, 0.45 µm, non-sterile, autoclavable	5
LH-7129130	Replacement filter, 0.2 µm, sterile	5
LH-711019	Adapter set (standard), autoclavable, including nose-cone and silicone adapter	1
LH-711017	Adapter set for 5 ml pipette tip, autoclavable, including nose-cone and silicone adapter	1
LH-711018	Adapter set for 10 ml pipette tip, autoclavable, including nose-cone and silicone adapter	1
780300	Optifit Tip 5 ml (length 150 mm)	100
780308	Optifit Tip 5 ml (length 150 mm)	1,000
780310	Midi Plus Tip 10 ml (length 242 mm)	100

¹ Supplied with a universal charger (incl. EU, UK, US | JPN, AUS, KOR and CHN plugs)



■ Prospenser Plus and Prospenser

Dispensing Made Easy



Chemical Resistance

Prospenser and Prospenser Plus offer excellent chemical resistance thanks to their high quality materials. The ceramic piston is chemically stable and compatible with an extremely wide range of liquids.

Light to Use

The operating handle is designed to be comfortable to hold while aspirating and light to press while dispensing. The piston moves smoothly, guaranteeing excellent results in everyday use.

Easily Replaceable Valves

Valves can be easily replaced by the user so there is no need to send the unit to be serviced.

Easy to Attach Aspiration Tube

The aspiration tube is easy to attach with a secure threaded connection. This prevents air entering the system and ensures consistent results.

Volume Setting

Prospenser and Prospenser Plus have an incremental volume setting enabling you to set the exact volume every time.

Versatile Accessories

There is a wide range of accessories available including bottle adapters, dispensing heads, and aspiration tubes.

Fully Autoclavable

Prospenser and Prospenser Plus are easy to disassemble for cleaning and are fully autoclavable.





□ Prospenser Plus – Advanced Features

Media Recirculation System

Prospenser Plus is equipped with a media recirculation system that allows unused media to be recovered from the device and returned to the bottle. This ensures easy priming and minimizes media loss.

Connector for Drying Tube and Filters

Prospenser Plus has a luer connection at the back of the unit for drying tubes and filters. Drying tubes are recommended for humidity sensitive liquids.

Smart 360° Rotating Dispensing Head

The dispensing head can be turned to the required position without needing to turn the bottle. This ensures the bottle label is always visible to the user.



■ Biotrate Digital Burette

for Convenient Titration



Sartorius Biotrate is a premium digital burette equipped with sophisticated functions for easy titration. Biotrate offers high chemical resistance and it is a smart solution for titrating various liquids accurately and safely. Biotrate is easy and convenient to use due to its large and clear electronic display, smooth operating wheels, and 360° rotating dispensing head.

High Chemical Resistance

- Highly resistant parts in the liquid pathway guarantee excellent chemical resistance.
- The softly-moving piston ensures reliable results.

Premium Quality

- High quality parts and materials guarantee highly accurate and precise results as well as long lifetime.

Convenient to Use

- Biotrate is comfortable to use due to soft touch operating wheels and 360° rotating dispensing head.
- Extremely smooth and light to operate.
- Ordering Information and Performance Specifications Chemical Resistance
- Biotrate offers excellent chemical resistance due to its high-quality materials, allowing the use of wide variety of liquids.

Light to Use

- The operating wheels are light and comfortable to use due to the soft touch surface and smoothly moving piston. These guarantee good ergonomics and excellent results in everyday use.

Long Life Battery

- Biotrate is powered with a long life battery so there is no need to plug in or re-charge the unit. The battery is also easy to replace by the user.

Large and Clear Display

- The display indicates clearly the measured volume, and shows whether you are measuring an aspirated or titrated volume.

Easy to Clean

- Biotrate is easy to disassemble for cleaning and autoclaving. The liquid pathway is fully autoclavable.

User Adjustment

- Biotrate can be adjusted for various liquids and it is easy to revert to factory settings. The display also indicates when a custom adjustment is in use.



□ Ordering Information

Prospenser Plus

Order Code	Item	Volume Range	Systematic Error (%)	Random Error (%)
LH-723070	Prospenser Plus	0.2 – 1 ml		
LH-723071	Prospenser Plus	0.4 – 2 ml		
LH-723072	Prospenser Plus	1 – 5 ml		
LH-723073	Prospenser Plus	2 – 10 ml		
LH-723074	Prospenser Plus	5 – 30 ml		
LH-723075	Prospenser Plus	10 – 60 ml		

Note: All Prospenser Plus models have A45 thread as a default and they are supplied with A32, A38, and S40 bottle adapters. Bottle not included.

Prospenser

Order Code	Item	Volume Range	Systematic Error (%)	Random Error (%)
LH-723060	Prospenser	0.2 – 1 ml		
LH-723061	Prospenser	0.4 – 2 ml		
LH-723062	Prospenser	1 – 5 ml		
LH-723063	Prospenser	2 – 10 ml		
LH-723064	Prospenser	5 – 30 ml		
LH-723065	Prospenser	10 – 60 ml		

Note: All Prospenser models have A32 thread as a default and they are supplied with A28, S40, and A45 bottle adapters. Bottle not included.

Biotrate Digital Burette

Order Code	Item	Nominal Volume	Systematic Error (%)	Random Error (%)
LH-723080	Biotrate	10 ml		
LH-723081	Biotrate	20 ml		
LH-723082	Biotrate	50 ml		

Note: All Biotrate models have A45 thread as a default and they are supplied with A32, A38, and S40 bottle adapters. Bottle not included.



UV-Protection Window
Biotrate is supplied with an amber coloured replacement window for protecting light sensitive media.



Bottle support, for bottles
75 – 120 mm



Aspiration tube, 310 mm



Dispensing head,
1.5 mm spiral

□ Accessories

Biotrate

Order Code	Item	Material	Biotrate
LH-721650	Dispensing head, standard	FEP	✓
LH-721651	Dispensing head, fine tip	FEP	✓
LH-721648	Dispensing head, 1.5 mm spiral	FEP	✓
LH-721652	Dispensing head, 0.4 m adjustable	FEP	✓
LH-721653	Dispensing head, luer lock	FEP PP	✓
LH-721654	Dispensing head, luer lock	FEP PFA	✓
LH-721678	Aspiration tube, 310 mm	FEP	✓
LH-721679	Aspiration tube, 400 mm	FEP	✓
LH-721682	Recirculation tube, 70 mm	FEP	✓
LH-721689	Bottle adapter, A28	ETFE	✓
LH-721684	Bottle adapter, A28	PP	✓
LH-721683	Bottle adapter, A32	PP	✓
LH-721688	Bottle adapter, A32	ETFE	✓
LH-721686	Bottle adapter, A38	PP	✓
LH-721733	Bottle adapter, A38	ETFE	✓
LH-721685	Bottle adapter, A38 430	PP	✓
LH-721732	Bottle adapter, A38 430	ETFE	✓
LH-721687	Bottle adapter, S40	PP	✓
LH-721734	Bottle adapter, S40	ETFE	✓
LH-721735	Bottle adapter, NS29 32	Silicone	✓
LH-721743	Bottle support, for bottles 75 – 120 mm	Silicone	✓

Prospenser Plus and Prospenser

Order Code	Item	Material	Prospenser Plus	Prospenser	Prospenser
			All models	1, 2, 5 & 10 ml	30 & 60 ml
LH-721647	Dispensing head, standard	FEP	✓		
LH-721655	Dispensing head, standard	FEP		✓	
LH-721656	Dispensing head, standard	FEP			✓
LH-721648	Dispensing head, 1.5 mm spiral	FEP	✓		
LH-721649	Dispensing head, 3.0 mm spiral	FEP	✓		
LH-721657	Dispensing head, spiral	FEP		✓	
LH-721658	Dispensing head, spiral	FEP			✓
LH-721653	Dispensing head, luer lock	FEP PP	✓		
LH-721654	Dispensing head, luer lock	FEP PFA	✓		
LH-721659	Dispensing head, luer lock	FEP PP			✓
LH-721660	Dispensing head, luer lock	FEP PFA			✓
LH-721678	Aspiration tube, 310 mm	FEP	✓		✓
LH-721680	Aspiration tube, 310 mm	FEP		✓	
LH-721679	Aspiration tube, 400 mm	FEP	✓		✓
LH-721681	Aspiration tube, 400 mm	FEP		✓	
LH-721682	Recirculation tube, 70 mm	FEP	✓		
LH-721736	Bottle adapter, A25	PP		✓	✓
LH-721737	Bottle adapter, A28	PP		✓	✓
LH-721689	Bottle adapter, A28	ETFE	✓		
LH-721684	Bottle adapter, A28	PP	✓		
LH-721683	Bottle adapter, A32	PP	✓		
LH-721688	Bottle adapter, A32	ETFE	✓		
LH-721686	Bottle adapter, A38	PP	✓		
LH-721733	Bottle adapter, A38	ETFE	✓		
LH-721738	Bottle adapter, A38	PP		✓	✓
LH-721685	Bottle adapter, A38 430	PP	✓		
LH-721732	Bottle adapter, A38 430	ETFE	✓		
LH-721741	Bottle adapter, A45	ETFE		✓	✓
LH-721739	Bottle adapter, A45	PP		✓	✓
LH-721687	Bottle adapter, S40	PP	✓		
LH-721734	Bottle adapter, S40	ETFE	✓		
LH-721740	Bottle adapter, S40	PP		✓	✓
LH-721742	Bottle adapter, S40	ETFE		✓	✓
LH-721735	Bottle adapter, NS29 32	Silicone	✓		
LH-721743	Bottle support, for bottles 75 – 120 mm	Silicone	✓	✓	✓