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PRODUCT BROCHURE

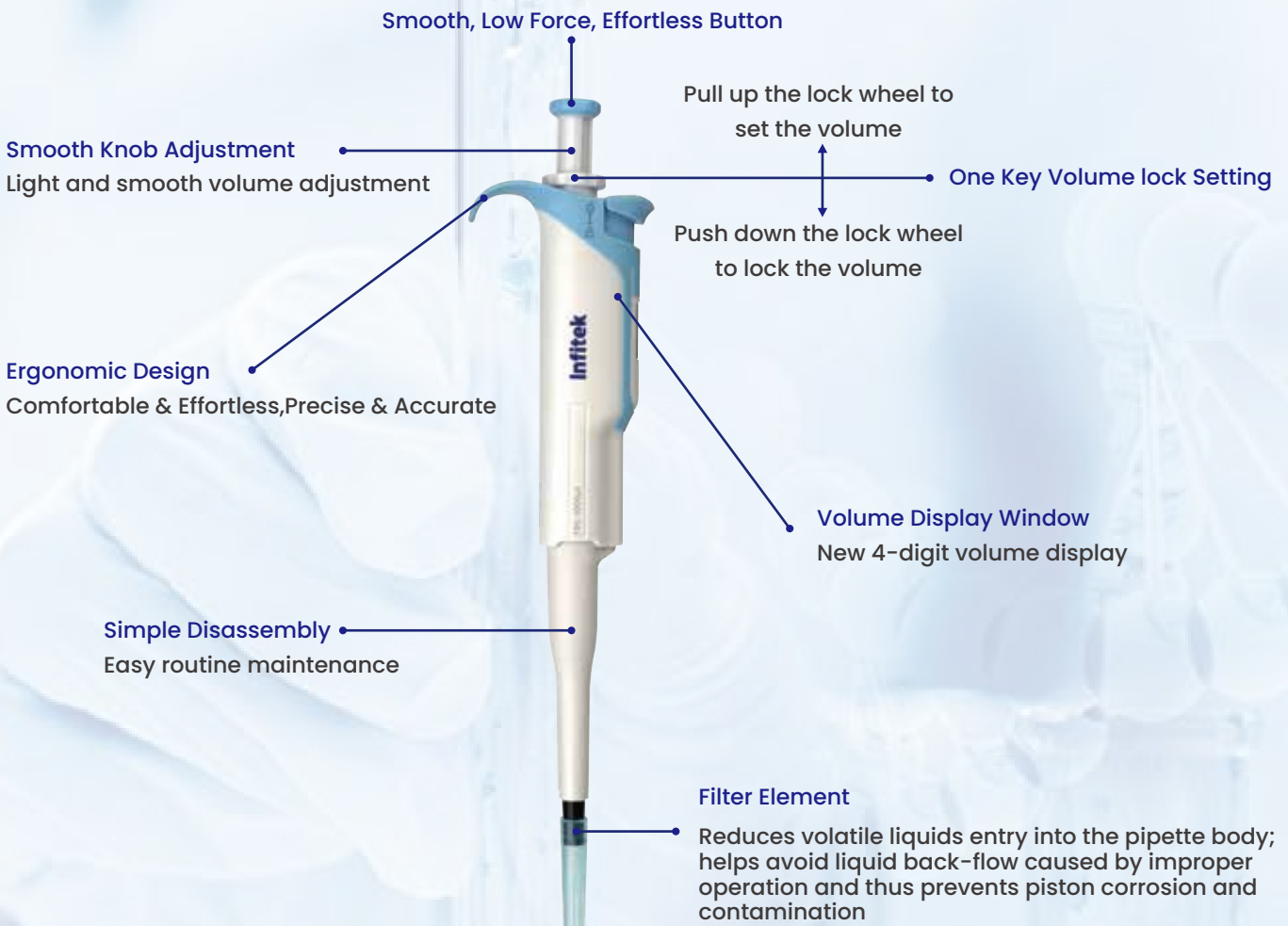
Single-channel Pipettes, Adjustable Volume

PIPE-H



Specification

Single-channel Adjustable Volume Pipettes (covering 0.1µL~10mL.)						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.1-2.5µL	0.002µL	2.5µL	1.4%	0.04	0.7%	0.02
		1.25µL	2.5%	0.03	1.5%	0.02
		0.25µL	12.0%	0.03	6.0%	0.02
0.5-10µL	0.01µL	10µL	1.0%	0.10	0.4%	0.04
		5µL	1.5%	0.08	0.8%	0.04
		1µL	2.5%	0.03	1.8%	0.02
2-20µL	0.02µL	20µL	1.0%	0.20	0.3%	0.06
		10µL	1.2%	0.12	0.6%	0.06
		2µL	5.0%	0.10	1.5%	0.03
5-50µL	0.05µL	50µL	0.9%	0.45	0.3%	0.15
		25µL	1.4%	0.35	0.8%	0.20
		5µL	3.0%	0.15	1.6%	0.08
10-100µL	0.1µL	100µL	0.8%	0.80	0.2%	0.20
		50µL	1.0%	0.50	0.3%	0.15
		10µL	3.0%	0.30	1.0%	0.10
20-200µL	0.2µL	200µL	0.6%	1.20	0.2%	0.40
		100µL	1.0%	1.00	0.3%	0.30
		20µL	2.5%	0.50	0.7%	0.14
30-300µL	2µL	300µL	0.6%	1.80	0.2%	0.60
		150µL	1.0%	1.50	0.3%	0.45
		30µL	2.5%	0.75	0.7%	0.21
100-1000µL	1µL	1000µL	0.6%	6.00	0.2%	2.00
		500µL	1%	5.00	0.2%	1.00
		100µL	3%	3.00	0.6%	0.60
500-5000µL	5µL	5000µL	0.6%	30.00	0.2%	10.00
		2500µL	0.6%	15.00	0.3%	7.5
		1000µL	2.4%	12.00	0.6%	3
2000-10000µL	10µL	10000µL	0.6%	60.00	0.2%	20
		5000µL	0.8%	40.00	0.2%	10
		2000µL	1.5%	30.00	0.3%	6
1000-10000µL	10µL	10000µL	0.6%	60.00	0.2%	20
		5000µL	0.8%	40.00	0.2%	10
		1000µL	3%	30.00	0.6%	6



Features

Fully Autoclavable Mechanical Pipette

The PIPE-H new generation fully autoclavable mechanical pipette has the best ergonomic design and ultralight weight. It has been designed keeping in mind the human form and human factors to offer smooth and effort- less ergonomic pipetting experience.It is UV sterilizable and resistant to strong chemical corrosion.In addition, the volume lock helps protect from volume changing accidentally , and achieve reliable pipetting of smallest volume of liquids.

Ultra-light ergonomic design

Light weight and light pipetting force with soft range adjustment and piston movement offers effortless &fatigue-less pipetting experience.

Accurate pipetting

Special material and the updated components&technologies effectively reduces the operating force for accuracy, precision and reliability.

Complete sterilization

The best in class pipette material used is fully autoclavable. It gives better protection against chemical& physical corrosion, and offers enhanced UV resistance for higher durability.

Single-channel Pipettes, Adjustable Volume

PIPE-T



Features

- Ergonomic design provides excellent operating experience.
- Large display window allows for easy volume identification.
- Easy calibration and maintenance.



Specification

PIPE-T Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	μL	%	μL
0.1-2.5μL	0.05μL	2.5μL	2.50	0.0625	2.00	0.05
		1.25μL	3.00	0.0375	3.00	0.0375
		0.25μL	12.00	0.03	6.00	0.015
0.5-10μL	0.1μL	10μL	1.00	0.1	0.80	0.08
		5μL	1.50	0.075	1.50	0.075
		1μL	2.50	0.025	1.50	0.015
2-20μL	0.5μL	20μL	0.90	0.18	0.40	0.08
		10μL	1.20	0.12	1.00	0.1
		2μL	3.00	0.06	2.00	0.04
5-50μL	0.5μL	50μL	0.60	0.3	0.30	0.15
		25μL	0.90	0.225	0.60	0.15
		5μL	2.00	0.1	2.00	0.1
10-100μL	1μL	100μL	0.80	0.8	0.15	0.15
		50μL	1.00	0.5	0.40	0.2
		10μL	3.00	0.3	1.50	0.15
20-200μL	1μL	200μL	0.60	1.2	0.15	0.3
		100μL	0.80	0.8	0.30	0.3
		20μL	3.00	0.6	1.00	0.2
50-200μL	1μL	200μL	0.60	1.2	0.15	0.3
		100μL	0.80	0.8	0.30	0.3
		50μL	1.00	0.5	0.40	0.2
100-1000μL	5μL	1000μL	0.60	6	0.20	2
		500μL	0.70	3.5	0.25	1.25
		100μL	2.00	2	0.70	0.7
200-1000μL	5μL	1000μL	0.60	6	0.20	2
		500μL	0.70	3.5	0.25	1.25
		200μL	0.90	1.8	0.30	0.6
500-5000μL	50μL	5000μL	0.50	25	0.15	7.5
		2500μL	0.60	15	0.30	7.5
		1000μL	0.70	3.5	0.30	1.5
1-10mL	0.1mL	10mL	0.60	60	0.20	20
		5mL	1.20	60	0.30	15
		1mL	3.00	30	0.60	6

8 channel Micropipettes

PIPE-T8



Features

- Ergonomic design provides excellent operating experience.
- Large display window allows for easy volume identification.
- Easy calibration and maintenance
- 8 and 12 channel pipettes are appropriate for 96 well plates.
- Dispensing head rotates for effortless pipetting convenience.
- Individual piston and tip cone assemblies allowing easy repair and maintenance.
- Compound material-made tip cone secures high sealing performance.
- Compatible with most universal tip brands.

Specification

PIPE-T8 8-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	μL	%	μL
0.5-10μL	0.1μL	10μL	1.50	0.15	1.50	0.15
		5μL	2.50	0.125	2.50	0.125
		1μL	4.00	0.04	4.00	0.04
5-50μL	0.5μL	50μL	1.00	0.5	0.50	0.25
		25μL	1.50	0.375	1.00	0.25
		5μL	3.00	0.15	2.00	0.1
10-100μL	1μL	100μL	0.80	0.8	0.30	0.3
		50μL	1.00	0.5	0.80	0.4
		10μL	3.00	0.3	2.00	0.2
50-300μL	5μL	300μL	0.70	2.1	0.25	0.75
		150μL	1.00	1.5	0.50	0.75
		50μL	1.50	0.75	0.80	0.4

12 channel Micropipettes

PIPE-T12



Features

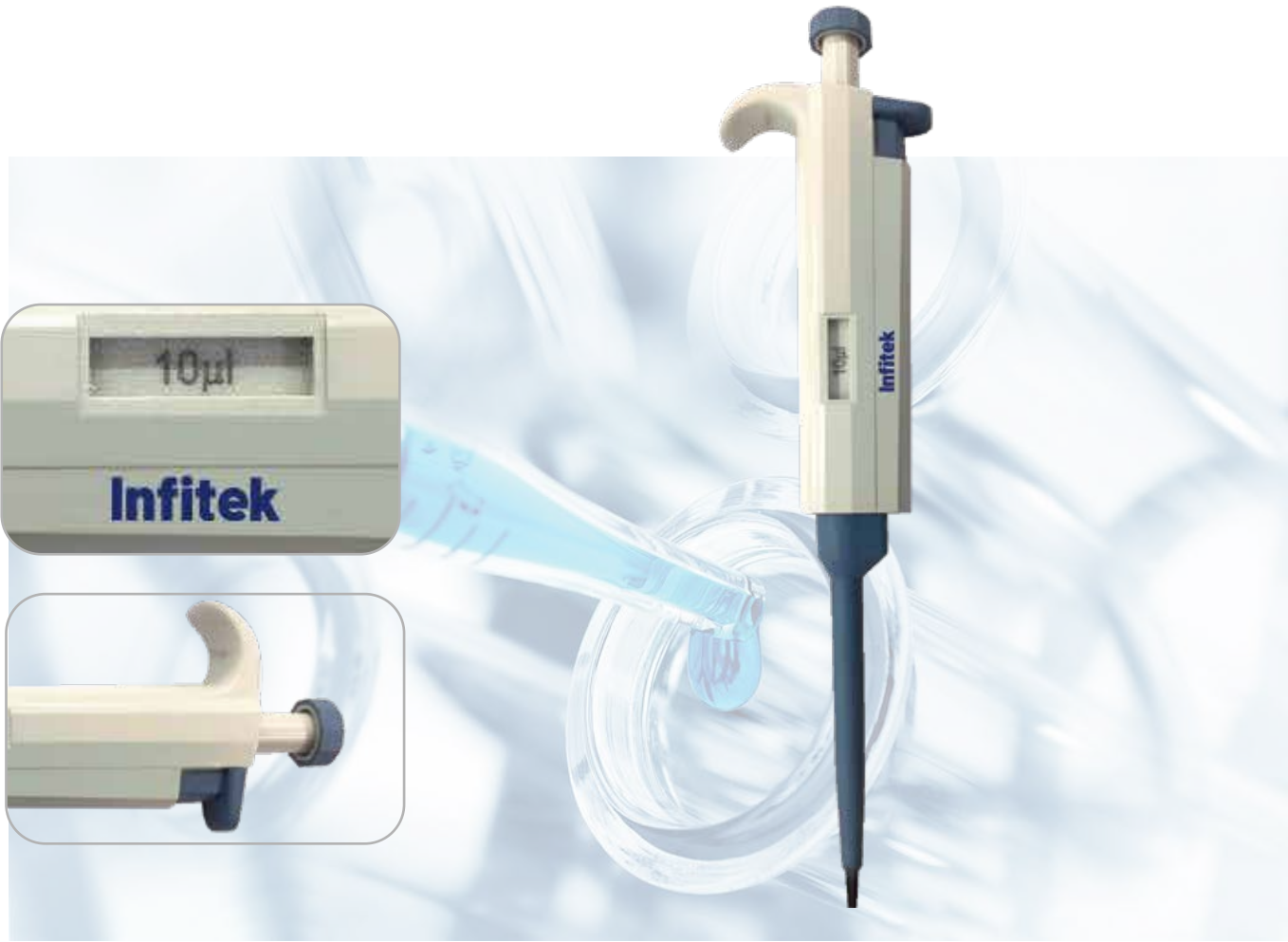
- Ergonomic design provides excellent operating experience.
- Large display window allows for easy volume identification.
- Easy calibration and maintenance
- 8 and 12 channel pipettes are appropriate for 96 well plates.
- Dispensing head rotates for effortless pipetting convenience.
- Individual piston and tip cone assemblies allowing easy repair and maintenance.
- Compound material-made tip cone secures high sealing performance.
- Compatible with most universal tip brands.

Specification

PIPE-T12 12-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	μL	%	μL
0.5-10μL	0.1μL	10μL	1.50	0.15	1.50	0.15
		5μL	2.50	0.125	2.50	0.125
		1μL	4.00	0.04	4.00	0.04
5-50μL	0.5μL	50μL	1.00	0.5	0.50	0.25
		25μL	1.50	0.375	1.00	0.25
		5μL	3.00	0.15	2.00	0.1
10-100μL	1μL	100μL	0.80	0.8	0.30	0.3
		50μL	1.00	0.5	0.80	0.4
		10μL	3.00	0.3	2.00	0.2
50-300μL	5μL	300μL	0.70	2.1	0.25	0.75
		150μL	1.00	1.5	0.50	0.75
		50μL	1.50	0.75	0.80	0.4

Single-channel Pipettes, Fixed Volume

PIPE-TF



Features

- Ergonomic design provides excellent operating experience.
- Large display window allows for easy volume identification.
- Easy calibration and maintenance.



Specification

PIPE-TF Fixed Volume Pipette						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	µL	%	µL
5µL	—	5µL	1.3	0.065	1.2	0.06
10µL	—	10µL	0.8	0.08	0.8	0.08
20µL	—	20µL	0.6	0.12	0.5	0.1
25µL	—	25µL	0.5	0.125	0.3	0.075
50µL	—	50µL	0.5	0.25	0.3	0.15
100µL	—	100µL	0.5	0.5	0.3	0.3
200µL	—	200µL	0.4	0.8	0.2	0.4
250µL	—	250µL	0.4	1.0	0.2	0.5
500µL	—	500µL	0.3	1.5	0.2	1.0
1000µL	—	1000µL	0.3	3.0	0.2	2.0
2000µL	—	2000µL	0.3	6.0	0.15	3.0
5000µL	—	5000µL	0.3	15	0.15	7.5

Single-channel Pipettes, Adjustable Volume

PIPE-MP



Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- Easy calibration and maintenance
- Manufactured from innovative materials



Specifications

PIPE-MP Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	μL	%	μL
0.1-2.5μL	0.05μL	2.5μL	2.50	0.0625	2.00	0.05
		1.25μL	3.00	0.0375	3.00	0.0375
		0.25μL	12.00	0.03	6.00	0.015
0.5-10μL	0.1μL	10μL	1.00	0.1	0.80	0.08
		5μL	1.50	0.075	1.50	0.075
		1μL	2.50	0.025	1.50	0.015
2-20μL	0.5μL	20μL	0.90	0.18	0.40	0.08
		10μL	1.20	0.12	1.00	0.1
		2μL	3.00	0.06	2.00	0.04
5-50μL	0.5μL	50μL	0.60	0.3	0.30	0.15
		25μL	0.90	0.225	0.60	0.15
		5μL	2.00	0.1	2.00	0.1
10-100μL	1μL	100μL	0.80	0.8	0.15	0.15
		50μL	1.00	0.5	0.40	0.2
		10μL	3.00	0.3	1.50	0.15
20-200μL	1μL	200μL	0.60	1.2	0.15	0.3
		100μL	0.80	0.8	0.30	0.3
		20μL	3.00	0.6	1.00	0.2
50-200μL	1μL	200μL	0.60	1.2	0.15	0.3
		100μL	0.80	0.8	0.30	0.3
		50μL	1.00	0.5	0.40	0.2
100-1000μL	5μL	1000μL	0.60	6	0.20	2
		500μL	0.70	3.5	0.25	1.25
		100μL	2.00	2	0.70	0.7
200-1000μL	5μL	1000μL	0.60	6	0.20	2
		500μL	0.70	3.5	0.25	1.25
		200μL	0.90	1.8	0.30	0.6
500-5000μL	50μL	5000μL	0.50	25	0.15	7.5
		2500μL	0.60	15	0.30	7.5
		1000μL	0.70	3.5	0.30	1.5
1-10mL	0.1mL	10mL	0.60	60	0.20	20
		5mL	1.20	60	0.30	15
		1mL	3.00	30	0.60	6

8 channel Micropipettes

PIPE – MP8



Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- Easy calibration and maintenance
- Manufactured from innovative materials
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands

Specifications

PIPE-MP8 8-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50	0.15	1.50	0.15
		5µL	2.50	0.125	2.50	0.125
		1µL	4.00	0.04	4.00	0.04
5-50µL	0.5µL	50µL	1.00	0.5	0.50	0.25
		25µL	1.50	0.375	1.00	0.25
		5µL	3.00	0.15	2.00	0.1
10-100µL	1µL	100µL	0.80	0.8	0.30	0.3
		50µL	1.00	0.5	0.80	0.4
		10µL	3.00	0.3	2.00	0.2
50-300µL	5µL	300µL	0.70	2.1	0.25	0.75
		150µL	1.00	1.5	0.50	0.75
		50µL	1.50	0.75	0.80	0.4
100-1000µL	10µL	1000µL	1.00	10	0.30	3
		500µL	2.00	10	0.50	2.5
		100µL	5.00	5	1.00	1

12 channel Micropipettes

PIPE-MP12



Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- Easy calibration and maintenance
- Manufactured from innovative materials
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands

Specifications

PIPE-MP12 12-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50	0.15	1.50	0.15
		5µL	2.50	0.125	2.50	0.125
		1µL	4.00	0.04	4.00	0.04
5-50µL	0.5µL	50µL	1.00	0.5	0.50	0.25
		25µL	1.50	0.375	1.00	0.25
		5µL	3.00	0.15	2.00	0.1
10-100µL	1µL	100µL	0.80	0.8	0.30	0.3
		50µL	1.00	0.5	0.80	0.4
		10µL	3.00	0.3	2.00	0.2
50-300µL	5µL	300µL	0.70	2.1	0.25	0.75
		150µL	1.00	1.5	0.50	0.75
		50µL	1.50	0.75	0.80	0.4

Single-channel Pipettes, Fixed Volume

PIPE-MPF



Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- Easy calibration and maintenance
- Manufactured from innovative materials



Specifications

PIPE-MPF Fixed Volume Pipette						
Volume Range	Increment	Test Volume	(Accuracy error)		(Precision error)	
			%	μL	%	μL
5μL	–	5μL	1.3	0.065	1.2	0.06
10μL	–	10μL	0.8	0.08	0.8	0.08
20μL	–	20μL	0.6	0.12	0.5	0.1
25μL	–	25μL	0.5	0.125	0.3	0.075
50μL	–	50μL	0.5	0.25	0.3	0.15
100μL	–	100μL	0.5	0.5	0.3	0.3
200μL	–	200μL	0.4	0.8	0.2	0.4
250μL	–	250μL	0.4	1.0	0.2	0.5
500μL	–	500μL	0.3	1.5	0.2	1.0
1000μL	–	1000μL	0.3	3.0	0.2	2.0
2000μL	–	2000μL	0.3	6.0	0.15	3.0
5000μL	–	5000μL	0.3	15	0.15	7.5

Glass Pipettes

1 to 50 ml



Description

- It may be used to aspirate and dispense liquids within a volume range of 0.1mL to 50mL. Bold, clear bidirectional graduations make it easy-to-read fluid volumes and dispensing amounts. Color-coding for easy identification of pipet sizes.
- Material: Ultra clear, 100% virgin polystyrene for maximum clarity.
- Contaminant free: RNase/DNase free, Human DNA free, NonCytotoxic, Non-Pyrogenic.
- Sterility: E-Beam irradiation.
- Individually wrapped pipets for reliable sterility.
- Transfer of liquids.
- Mixing suspensions.
- Combining reagents and chemical solutions.
- Transferring cells for empirical analysis or expansion.
- Layering reagents for creating higher density gradients.

Specifications

P/ N	Capacity	Code Color	Configuration
C804001	1mL	Yellow	50pcs/pack, 20 packs/case
C804002	2mL	Green	50pcs/pack, 20 packs/case
C804005	5mL	Blue	50pcs/pack, 4 packs/case
C804010	10mL	Orange	50pcs/pack, 4 packs/case
C804025	25mL	Red	50pcs/pack, 4 packs/case
C804050	50mL	Violet	25pcs/pack, 4 packs/case

Single-channel Pipettes, Electronic

dPIPE dPIPE+



Features

High accuracy, high performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors

- A motor driven digital control pipette with multifunction
- 2 buttons handle all operational settings
- Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting
- Pipetting, Mixing, Stepper and Dilution (Only Multifunction Electronic Pipette)
- Pipetting, Mixing (Simple Electric Pipette)
- Adjustable speeds for aspiration and dispensing
- Li-ion battery and dual charging modes enable longer operation time
- Self calibration

Specifications

Channel	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	µL	µL	µL	µL	%	µL	%
1	0.5-10	0.01	10	0.10	1.00	0.05	0.50
			5	0.10	2.00	0.10	2.00
			1	0.05	5.00	0.03	3.00
1	5-50	0.1	50	0.40	0.80	0.15	0.30
			25	0.25	1.00	0.25	1.00
			5	0.20	4.00	0.125	2.50
1	30-300	1	300	1.80	0.60	0.60	0.20
			100	1.00	1.00	0.40	0.40
			30	1.20	4.00	0.21	0.70
1	100-1000	5	1000	6.00	0.60	2.00	0.20
			500	5.00	1.00	1.00	0.20
			100	3.00	3.00	0.60	0.60

8 Channel Pipettes, Electronic

dPIPE+8



Features

- High accuracy and precision, time-saving and efficient
- High quality stepper motor and piston control system provide outstanding accuracy and repeatability in results, which reduce manual operation errors.
- High level ergonomic and comfortable handle design
- Lightweight and compact, to protect the user from repetitive strain injury (RSI).
- Simple to use and versatile
- Double knobs for simple and versatile control. Dispensing function reduces the pipetting steps and speeds up work.
- Dual charging mode
- Using the USB charger or charging stand to ensure uninterrupted use.

Specifications

Channel	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	µL	µL	µL	µL	%	µL	%
8	0.5-10	0.01	10	0.20	2.00	0.10	1.00
			5	0.20	4.00	0.10	2.00
			1	0.08	8.00	0.05	5.00
8	10-100	0.1	100	0.80	0.80	0.30	0.30
			50	0.50	1.00	0.40	0.80
			10	0.30	3.00	0.20	2.00
8	15-300	1	300	1.80	0.60	0.90	0.30
			150	1.50	1.00	0.75	0.50
			15	0.60	4.00	0.15	1.00
8	30-300	1	300	1.80	0.60	0.90	0.30
			150	1.50	1.00	0.75	0.50
			30	0.90	3.00	0.30	1.00



Pipette Filler

PIPE-LE



Features

- Volume capacity 2mL, 10mL and 25mL
- Colour-coded by volume with green, blue and red
- Thumb wheel guarantees precise operation
- Resistant to acids and alkalis
- Easy for cleaning and maintenance

Pipette Controller, Manual Type

PIPE-L



Features

- Ease of use
- Precise pipetting control
- Robust and light weight
- Compatible with most of the plastic and glass pipettes from 0.1 –100mL
- 3µm replaceable hydrophobic filter
- Easy for cleaning and maintenance

Electronic Pipette Controller, Pipette Gun

PIPE-LM



Features

- Enables single-handed operation with minimum effort
- Compatible with most of the plastic and glass pipettes from 0.1-100mL
- Easily adjustable speed control
- 0.45µm replaceable hydrophobic filter
- Stable and reliable performance, elegant appearance
- High capacity Li-ion battery enable long operation time.



Specification

Model	PIPE-LM
Aspiration Speed	25mL<7s
Dispensing Speed	Motor/Gravity
Battery	Lithium-ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic
Weight	200g

Electronic Pipette Controller, Pipette Gun

PIPE-LP



Features

- Compatible with most of the plastic and glass pipettes from 0.1 -100mL
- Six different speed modes for aspiration and dispensing different liquids
- Large LCD display showing low battery warning and speed settings
- Enables single-handed operation with minimum effort
- Light and ergonomic design providing easy usability
- High capacity Li-ion battery enable long runtime of operation
- Powerful pump fills a 25mL pipette in<5 seconds
- 0.45µm replaceable hydrophobic filter
- Rechargeable during use



Specification

Model	PIPE-LP
Aspiration Speed	25mL<5s (6 shift)
Dispensing Speed	Motor (6 shift)/Gravity
Battery	Lithium-ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic
Weight	200g

Pipette Stepper

PIPE-DSP



Features

- Light and ergonomic solution provides easy usability
- Single-handed operation.
- Volume range from 10µL to 5mL.
- Up to 48 dispensing steps.
- Maintenance free.
- Equipped with durable tip.
- Insertion lever.
- Fits seven sizes of disposable polypropylene syringes from 0.5mL to 50mL.

Stepper tips are particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc. Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives.

Specifications

Note: The first and last dispensing liquid should be discarded for precision.

Dial setting		1	2	3	4	5			
Number of steps		48	23	15	11	8			
Cat. No.	Syringe volume (mL)	Sample volume (µL)					A %	P %	Description
17900032	0.50	10	20	30	40	50	± 0.8	≤ 0.7	0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	≤ 0.5	1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	≤ 0.4	2.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900035	5.00	100	200	300	400	500	± 0.4	≤ 0.3	5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900036	12.50	250	500	750	1000	1250	± 0.3	≤ 0.3	12.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900037	25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3	25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900038	50.00	1000	2000	3000	4000	5000	±0.2	≤ 0.2	50mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing