

# SCIOLOGEX

SCALING NEW HEIGHTS IN RESEARCH

## Liquid Handling



[www.scilogex.com](http://www.scilogex.com)

## Company profile

SCIOGEX, LLC based in USA which is a brand of innovative and unique laboratory products for all areas of research. Every product has been carefully selected for quality and priced to meet your budget so your lab can operate at its highest level of efficiency. Our goal is to provide great products, great prices and great service.

SCIOGEX Liquid Handling Products and Bench-top Instruments are available ONLY through our authorized distributor network. To locate a distributor in your area, please contact us. Our knowledgeable staff will be delighted to provide you with pre-purchase support and product recommendations.

Our Liquid Handling products come with a 1 year warranty and Bench-top Instruments come with a 2 year warranty and manufactured in an ISO9001 facility so you can purchase in confidence.

We thank you for your continued support and we look forward to bringing you new and exciting products at VERY competitive prices.



Visit SCIOGEX website at [www.scilogex.com](http://www.scilogex.com)

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SCIOLOGEX Liquid Handling range is manufactured according to ISO9001 and ISO13485.

All pipettes have been quality tested according to ISO8655-2:2002.



# New products for Y2012



## RE100-Pro Rotary Evaporator

- Easy to read large digital LCD screen displays heating temperature, speed and timing
- Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range of RT -180°C
- Heating bath with precise temperature control and adjustable safety circuit
- Features a detachable operating panel for remote control
- Patented condenser with excellent cooling effect



## iPette Electronic Pipette

- Single and multi channel units covering a volume range of 0.5 to 5000 $\mu$ l
- DC motor with build-in error control improves pipetting precision and provides more reliable results.
- 9 speeds for aspiration and dispensing
- Autoclavable lower part
- Wireless charging

P4

## New products released



- DM0412 Clinical Centrifuge**
- Speed range of 300-4500rpm
  - Max rotor capability 15ml × 8
  - User-friendly large LCD display provides all visual information
  - Quiet and stable operation
  - Brushless DC motor
  - Dual protective casing



- DM1424 Hematocrit Centrifuge**
- Speed range of 200-14000rpm
  - With hematocrit rotor and 2ml × 24 rotor
  - User-friendly large LCD display provides all visual information
  - Quiet and stable operation
  - Brushless DC motor drives quickly
  - Dual door interlock design, more safe



- D1008 EZeeMini Centrifuge**
- Four lid colors including green, blue, yellow and pink.
  - Max. speed of 7000rpm
  - Free of 2mlx8 and PCR8x2 rotors
  - Ideal for quick spin downs and micro filtration
  - Multi voltage design with stable running and high accuracy of speed
  - The centrifuge can be started and stopped by closing and opening lid

# iPette Electronic Pipette

SCILOGEX will launch iPette Electronic Pipette that enable fast, precise and comfortable pipetting. The iPette is available in single-channel models covering volume range of 0.5 to 5000µl and multi-channel models from 0.5 to 1200µl.



## Features

- Comprehensive range of liquid handling protocols with easy programming
- DC motor with build-in error control improves pipetting precision and provides more reliable results
- Efficient lithium-ion battery offers long runtime on each charge
- 9 speeds for aspiration and dispensing
- Autoclavable low part
- Wireless charging

## Specifications

Channels	Volume Range	Increment ul	Test Volume	Inaccuracy		Imprecision	
			ul	ul	%	s.d.*ul	CV%*
1	0.5-10ul	0.01ul	10	±0.10	±1.0	0.05	0.5
			1	±0.035	±3.5	0.03	3.0
1	5-50ul	0.1ul	50	±0.40	±0.8	0.15	0.3
			5	±0.15	±3.0	0.125	2.5
1	30-300ul	1ul	300	±1.8	±0.6	0.6	0.2
			30	±0.9	±3.0	0.21	0.7
1	100-1000ul	1ul	1000	±6.0	±0.6	2.0	0.2
			100	±3.0	±3.0	0.6	0.6
1	1000-5000ul	-	5000	±30.0	±0.6	10.0	0.2
			1000	±15.0	±3.0	4.0	0.8
8	0.5-10ul	0.1ul	10	±0.24	±2.4	0.16	1.6
			1	±0.12	±12.0	0.08	8.0
8	5-50ul	0.1ul	50	±0.75	±1.5	0.35	0.7
			5	±0.25	±5.0	0.10	2.0
8	30-300ul	1ul	300	±3.0	±1.0	0.9	0.3
			30	±0.3	±3.0	0.1	1.0
8	100-1200ul	-	1200	±12.0	±1.0	2.4	0.2
			100	±3.0	±3.0	0.9	0.9
12	0.5-10ul	0.1ul	10	±0.24	±2.4	0.16	1.6
			1	±0.12	±12.0	0.08	8.0
12	5-50ul	0.1ul	50	±0.75	±1.5	0.35	0.7
			5	±0.25	±5.0	0.10	2.0
12	30-300ul	1ul	300	±3.0	±1.0	0.9	0.3
			30	±0.3	±3.0	0.1	1.0
12	100-1200ul	-	1200	±12.0	±1.0	2.4	0.2
			100	±3.0	±3.0	0.9	0.9

\* s.d. = Standard Deviation

\* CV = Coefficient of Variation

# TopPette Mechanical Pipettes

## Features for TopPette

- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettes cover volume range of 0.1µl to 10ml
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The low part is available for autoclaving



Simply turn the plunger button for volume selection

Finger support with minimum user effort

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials  
Provide excellent chemical resistance





12 channels



8 channels

### Features for multi-channel TopPette

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



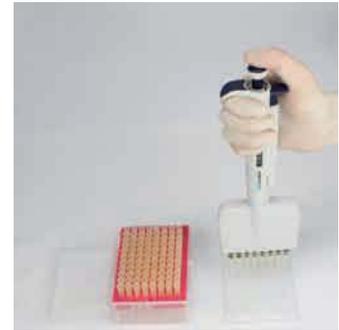
### Pipette with switch

SCIOGEX Pipettes are available to assembly with an on/off switch and cable. This can be used with coagulation analyzers or any other instruments that require precise timing.

# MicroPette Mechanical Pipettes

## Features for MicroPette

- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettes cover volume range of 0.1µl to 10ml
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The low part is available for autoclaving
- Manufactured from innovative materials



Simply turn the plunger button for volume selection

Finger support with minimum user effort

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance





## Features for multi-channel MicroPette

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



12 channels



8 channels

## Calibration

All SCIOLOGEX pipettes have been quality tested according to ISO8655-2:2002 with calibration certificate. The quality control involves gravimetric testing of each pipette with distilled water at 22°C.

Please visit SCIOLOGEX website for online calibration at [www.scilogex.com](http://www.scilogex.com). Through the online calibration software, users can perform simple, accurate and timely calibration with free cost, and avoid the calibration error due to non-professional operation.

We will support and help you to achieve consistently excellent results.

# MicroPette Plus Autoclavable Pipette



## Features for MicroPette plus

- Fully autoclavable
- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettes cover volume range of 0.1µl to 10ml
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Manufactured from innovative material
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate



Simply turn the plunger button for volume selection

Finger support with minimum user effort

Tip ejector allows convenient one-handed operation



Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance





### Features for multi-channel MicroPette plus

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



12 channels



8 channels



### Fully autoclavable

The MicroPette plus pipettes can be fully autoclaved and withstood steam sterilizes at 121°C, 1 atm for 20 minutes.

The pipettes can be autoclaved without special preparations. After autoclaving the pipette must be cooled down and left to dry over 12 hours.

It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after each 10 autoclaving.

Specifications  
 TopPette/ MicroPette / MicroPette Plus  
 Mechanical Pipettes  
 (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes					
Volume Range	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
		%	µl	%	µl
0.1-2.5µl	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	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	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	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	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	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	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	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	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
1000-5000µl	5000µl	0.50%	25	0.15%	7.5
	2500µl	0.60%	15	0.30%	7.5
	1000µl	0.70%	7	0.30%	3
2-10ml	10ml	0.60%	60	0.20%	20
	5ml	1.20%	60	0.30%	15
	2ml	3.00%	60	0.60%	12

8-channel Adjustable Volume Pipettes					
Volume Range	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
		%	µl	%	µl
0.5-10µl	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	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
50-300µl	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 Adjustable Volume Pipettes					
Volume Range	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
		%	µl	%	µl
0.5-10µl	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	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
50-300µl	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

Fixed Volume Pipettes					
Volume Range	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
		%	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

## Ordering Information

TopPette/ MicroPette / MicroPette Plus Mechanical Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes			
Cat. No.			Volume Range
TopPette	MicroPette	MicroPette Plus	
71111019999	712111019999	713111019999	0.1-2.5µl
71111049999	712111049999	713111049999	0.5-10µl
71111069999	712111059999	713111059999	5-50µl
71111059999	712111069999	713111069999	2-20µl
71111089999	712111089999	713111089999	10-100µl
71111099999	712111099999	713111099999	20-200µl
71111119999	71211119999	71311119999	50-200µl
71111149999	71211149999	71311149999	100-1000µl
71111169999	71211169999	71311169999	200-1000µl
71111179999	71211179999	71311179999	1000-5000µl
71111339999	712111339999	713111339999	2-10ml
8-channel Adjustable Volume Pipettes			
711112049999	712112049999	713112049999	0.5-10µl
711112069999	712112069999	713112069999	5-50µl
711112129999	712112129999	713112129999	50-300µl
12-channel Adjustable Volume Pipettes			
711113049999	712113049999	713113049999	0.5-10µl
711113069999	712113069999	713113069999	5-50µl
711113129999	712113129999	713113129999	50-300µl
Fixed Volume Pipettes			
711121189999	712121189999	713121189999	5µl
711121199999	712121199999	713121199999	10µl
711121209999	712121209999	713121209999	20µl
711121219999	712121219999	713121219999	25µl
711121229999	712121229999	713121229999	50µl
711121239999	712121239999	713121239999	100µl
711121249999	712121249999	713121249999	200µl
711121259999	712121259999	713121259999	250µl
711121269999	712121269999	713121269999	500µl
711121279999	712121279999	713121279999	1000µl
711121289999	712121289999	713121289999	2000µl
711121299999	712121299999	713121299999	5000µl



# Pipette Stand



The linear and round stands have been designed to fit perfectly of SCILOGEX Pipette range, TopPette, MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are convenient to hold up 6 pipettes both of single and multi-channel.



The round stand can be rotating smoothly and comfortably hold up to 6 pipettes

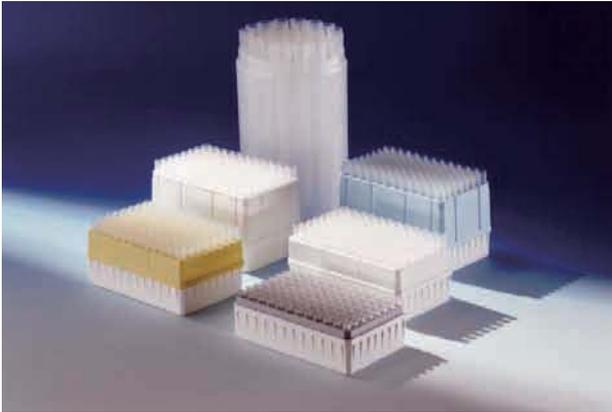


The linear stand can hold of single and multi-channel pipettes up to 6

## Ordering Information

Cat. No.	Descriptions
710000849999	Round stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus
710000859999	Linear stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus

# Pipette Tips



## Ordering Information

Pipette Tips (Non-sterilizing packing )

Cat. No.	Descriptions
17400024	FT10 $\mu$ l (1pc, 1000 tips/bag)
17400023	FT200 $\mu$ l (1pc, 1000 tips/bag)
17400012	FT1000 $\mu$ l (1pc, 500 tips/bag)
17400025	FT5000 $\mu$ l (1pc,100 tips/bag)

# Pipette Pump

Pipette Pump easy one hand operates. Optimally located thumbwheel rotates easily for precision aspirating or dispensing. By depressing the side lever, entire contents can be dispensed rapidly.

## Features

- Volume capacity 2ml, 10ml and 25ml
- Color coded by volume with green, blue and red
- Thumbwheel for precision operation
- Resistant to acids, alkalis
- Easily disassembly for cleaning

Cat. No.	Descriptions
740300018888	2ml, blue (blank LOGO)
740300028888	10ml, green (blank LOGO)
740300038888	25ml, red (blank LOGO)



# StepMate Stepper

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume

By pushing the slide upwards, the syringe is filled up

The stop lever secures the syringe inserted



## Features

- Lightweight and ergonomic
- One-hand operation
- Factory calibrated
- Volume range of 1µl to 5ml can be dispensed
- Maintenance free
- Equipped with durable tip insertion lever
- Works with seven sizes of disposable, polypropylene syringes from 0.5ml to 50ml

## Select the Dispensing Volume

- Find the required dispensing volume
- Use the adjusting wheel to set the required volume
- Select and inserting suitable tips
- Confirm the maximum dispensing steps

Dispensing Volume

Select suitable tips

Steps

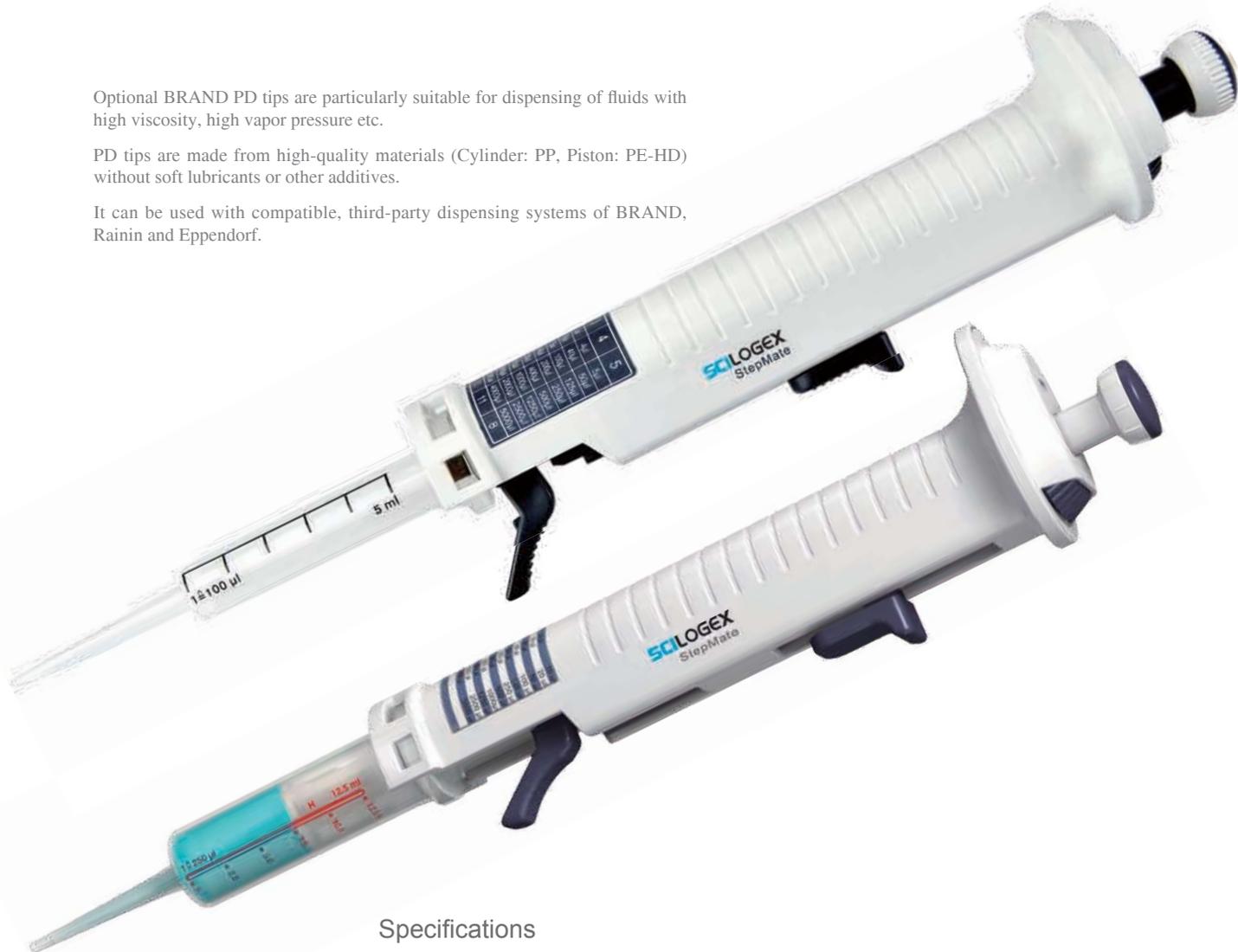
Tips \ Sel.	1	2	3	4	5
0.05ml	1µl	2µl	3µl	4µl	5µl
0.50ml	10µl	20µl	30µl	40µl	50µl
1.25ml	25µl	50µl	75µl	100µl	125µl
2.50ml	50µl	100µl	150µl	200µl	250µl
5.00ml	100µl	200µl	300µl	400µl	500µl
12.50ml	250µl	500µl	750µl	1000µl	1250µl
25.00ml	500µl	1000µl	1500µl	2000µl	2500µl
50.00ml	1000µl	2000µl	3000µl	4000µl	5000µl
Steps	48	23	15	11	8



Optional BRAND PD tips are particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc.

PD tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives.

It can be used with compatible, third-party dispensing systems of BRAND, Rainin and Eppendorf.



### Specifications

Dial setting	1	2	3	4	5		
Number of steps	48	23	15	11	8		
Syringe volume (ml)	Sample volume (µl)					A %	P %
0.50	10	20	30	40	50	± 0.8	≤ 0.7
1.25	25	50	75	100	125	± 0.8	≤ 0.5
2.50	50	100	150	200	250	± 0.8	≤ 0.4
5.00	100	200	300	400	500	± 0.4	≤ 0.3
12.50	250	500	750	1000	1250	± 0.3	≤ 0.3
25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3
50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2

Note: The first and last dispensing liquid should be discarded or back into container vessel.

### Ordering information

Cat No.	Descriptions
720100009999	StepMate
17900024	0.5ml, piston PE-HD, cylinderPP,non-sterile, 1 pc, 100pcs/packing
17900025	1.25ml, piston PE-HD, cylinderPP,non-sterile, 1 pc, 100pcs/packing
17900026	2.5ml, piston PE-HD, cylinderPP,non-sterile, 1 pc, 100pcs/packing
17900027	5.0ml, piston PE-HD, cylinderPP,non-sterile, 1 pc, 100pcs/packing
17900028	12.5ml, piston PE-HD, cylinderPP,non-sterile, 1 pc, 100pcs/packing
17900029	25ml, piston PE-HD, cylinder PP, non-sterile, 1 pc, 50pcs/packing with adaptor
17900030	50ml, piston PE-HD, cylinder PP, non-sterile, 1 pc, 25pcs/packing with adaptor

# Levo Pipette Controller

Compress the suction bellows before attaching the pipette

Button to expel residual liquid when using blow-out pipets

Filling and delivery are easily controlled with the small sensitive lever



## Features

- Five colors optional
- Comfortable and simple to use
- Precise pipetting control
- Robust and lightweight
- 0.1-100ml volumetric or serological pipettes can be used
- Filling and delivery are easily controlled with a small sensitive lever
- Uses integral and replaceable 3µm filter
- Easy to maintain and clean
- Autoclavable silicone pipette holder



The 3.0µm filter and adapter can be integral and replaceable

Silicone adapter suitable for 0.1-100ml pipette

## Ordering information

Cat No.	Descriptions
740100019999	Levo-Blue
740100029999	Levo-Red
740100039999	Levo-Green
740100049999	Levo-Yellow
740100059999	Levo-Pink
Accessories	
Cat No.	Descriptions
17000110	Filter 3.0µm, 1pc/ pk



# Levo Plus Motorized Pipette Filler



Large LCD display provides visual confirmation of remaining battery charge and coarse speed settings

Select the desired speed by turning the speed adjustment wheel

Comfortable aspirate and dispense triggers

The dispense button is pressed only up to a point where a check can be felt, the dispensing function will be based on the force of gravity and the liquid will simply flow out



The 0.45µm filter and adapter can be integral and replaceable

Silicone adapter suitable for 0.1-100ml pipette, can be fully autoclaved at 121°C



## Features

- Full volume range of 0.1-100ml
- Easy to one-handed operation
- Lightweight, ergonomic designs allow longer, fatigue-free pipetting
- Efficient lithium-ion battery offers long runtime on each charge
- Low battery alert
- Powerful motor fills a 25ml pipette in <5 seconds
- Supplied with integral but replaceable 0.45µm filter
- Can be used while charging
- Large LCD display provides visual confirmation of remaining battery charge and speed settings
- Eight speeds are available for aspirate and dispense liquid



Two-position stand

## Specifications

Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
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	0.45 $\mu$ m Hydrophobic

## Ordering information

Cat. No.	Descriptions
740200019999	Levo Plus with AC adapter , spare 0.45 $\mu$ m filter and wall stand, Euro plug
740200029999	Levo Plus c/w AC adapter , spare 0.45 $\mu$ m filter and wall stand, North-America plug
740200059999	Levo Plus c/w AC adapter , spare 0.45 $\mu$ m filter and wall stand, UK plug
Accessories	
Cat. No.	Descriptions
17000103	Filter 0.45 $\mu$ m, 1pc each pk

# DispensMate plus Bottle-top Dispenser

Quick and easy volume adjustment

Smooth piston design provides effortless dispensing

Closure cap protects, against reagent contact and is easy to attach and remove, even while wearing gloves

Free of adapters allow fitting to standard reagent bottles

Filling tube adjusts easily to different size bottles



## Features

- Excellent chemical resistance
- Fully autoclavable at 121°C
- Four ranges of bottle-top dispenser cover a volume range from 0.5ml to 50ml
- Easy to clean and maintain
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Made of PTFE, FEP, BSG, PP
- Vapor pressure Max. 500mbar, viscosity max. 500mm<sup>2</sup>/s, temperature max. 40°C, density max. 2.2g/cm<sup>3</sup>
- DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters



### Specifications

Volume Range ml	Graduation ml	A $\pm$		CV $\leq$	
		%	$\mu$ l	%	$\mu$ l
0.5-5	0.1	0.5	25	0.1	5
1.0-10	0.2	0.5	50	0.1	10
2.5-25	0.5	0.5	125	0.1	25
5.0-50	1.0	0.5	250	0.1	50

A = Accuracy; CV = Coefficient of variation

### Ordering information

Cat. No.	Volume Range (ml)
731100019999	0.5-5
731100029999	1-10
731100039999	2.5-25
731100049999	5-50
Accessories	
Cat. No.	Descriptions
17000069	S40, Adapter, 45/40mm
17400017	GL32, Adapter, 45/32mm
17400018	GL38, Adapter, 45/38mm
17400019	GL25, Adapter, 32/25mm
17400020	GL28, Adapter, 32/28mm
17400037	Reagent Bottle (Brown, 1L)
17400021	Filling tube (m)
17400073	Discharge tube (m)

## DispensMate plus Bottle-top Dispenser Chemical Compatibility at 20°C

The devices of SCIOLOGEX-DispensMate plus which contact with dispensed liquid consist of BSG, PTFE, FEP, and closure cap of outlet is PP; non contact liquids parts consist of PC and other materials. Please note that these tables are just a directional guide not the manufacturer's commitment. Please read the user manual carefully before use and to do related experiments necessarily, which can be used to determine whether should be used. Good laboratory practice would be to rinse out the liquid handing unit at the end of each day with distilled water to prevent corrosive liquids being left in contact with the parts for too long.

We referred to the general technical data and public information from related companies. The table below is not our proprietary data, for user's reference only.

CHEMICAL	BSG	PTFE	FEP	PC	PP
<b>Acids</b>					
Acetic, Glacial	R			NR	R
Acetic, 25%	R	R	R	R	R
Hydrochloric, Concentrated	R				
Hydrochloric, 20%	R	R	R	SR	R
Sulphuric, concentrated	R				
Sulphuric, 25%	R	R	R	R	R
Nitric, Concentrated	R				
Nitric, 30%	R	R	R	R	SR
Phosphoric, 25%	R	R	R		4
Formic, 25%	R	R	R		
Trichloroacetic, 10%	R	R	R	SR	SR
Formic Acid, 85%	R	R	R	R	R
Arsenic Acid	R				
Boric Acid, 10%	R	R	R	R	R
Chromic Acid, 10%	R	R	R	R	R
Hydrofluoric Acid, 35%	NR	Exceptions	R	NR	R
Phosphoric Acid 85%	R	R	R	R	R
Nitric Acid, 50%	R	R	R		
Sulphuric Acid, 95%	R	R	R	NR	NR
<b>Alkalies</b>					
AmmoniumHydroxide,25%	R	R	R	NR	R
Potassium Hydroxide	R	R	R	NR	R
Sodium Hydroxide	R	R	R	NR	R
<b>Alcohols</b>					
Methanol, 98%	R	R		R	R
Ethanol, 98%	R			R	R
Ethanol, 70%	R			R	R
Isopropanol,n-Propanol	R			R	R
Amyl Alcohol, Butanol	R				
Benzyl Alcohol	R	R	R	SR	SR
Ethylene Glycol	R	R	R	R	R
Propylene Glycol	R	R	R	R	R
Glycerol	R	R	R	R	R
<b>Hydrocarbons</b>					
Hexane, Xylene	R	R	R	NR	R
Toluene, Benzene	R	R	R	NR	SR
Kerosene, Gasoline	R				
Tetralin, Decalin	R				
<b>Halogenated Hydrocarbons</b>					
Methyl Chloride	R			NR	SR
Chloroform	R	R	R	NR	NR
Trichloroethylene	R	R	R	NR	NR
Monochlorobenzene, Freon	R				
Carbon Tetrachloride	R	R	R	NR	NR

Ketones						
Acetone	R	R	R	NR	R	
Methyl Ethyl Ketone	R	R				
Isopropylacetone	R					
Methyl Isobutyl Ketone	R					
Esters						
Ethyl Acetate	R	R		NR	R	
Methyl Acetate	R					
Amyl & Propyl Acetate	R					
Butyl Acetate	R	R	R	NR	NR	
Propylene Glycol Acetate	R					
2-Ethoxyethyl Acetate	R					
Methyl Cellosolve Acetate	R					
Benzyl Benzoate	R					
Isopropyl Myristate	R					
Tricresol Phosphate	R					
Oxides – Ethers						
Ethyl Ether	R					
1,4 Dioxane & Tetrahydrofuran	R	R	R	NR	SR	
Dimethylsulphoxide (DMSO)	R	R	R	NR	R	
Isopropyl Ether	R			NR	NR	
Solvents with Nitrogen						
Dimethyl Formamide	R	R	R			
Diethylacetamide	R	R				
Triethanolamine	R					
Aniline	R	R	R	SR	R	
Pyridine	R	R	R	NR	SR	
Miscellaneous						
Phenol, Aqueous, 10%	R					
Formaldehyde Solution, 30%	R	R	R	R	R	
Hydrogen Peroxide, 30%	R	R	R	R	R	
Silicone Oil & Mineral Oil	R					
Pyridine	R	R	R	NR	SR	
Acetaldehyde	R	R	R	SR	R	
Ammonia, 25% ac. Sol.	R	R		NR	R	
Ammonium	R					
Calcium Chloride aq. Sol.	R	R	R	R	R	
Chlorine	R	R	R			
Chlorobenzene	R			NR	NR	
Fluorinated Hydrocarbons	R					
Hexane	R	R	R	R	R	
Iodine (tincture of)	R	R				
Potassium Chloride aq. Sol.	R			R	R	
Potassium Permanganate aq. Sol.	R			R	R	
Magnesium Chloride aq. Sol.	R					
Methylene Chloride	R	R	R	NR	SR	
Sodium Carbonate	R					
Sodium Dichromate	R	R	R	R	R	
Phenol, 100%	R	R	R	NR	R	
Mercury	R	R	R	R	R	
Silver Nitrate	R	R	R	R	R	
Toluene	R	R	R	NR	SR	
Hydrogen Peroxide, 30%	R	R	R	NR	R	
Xylene	R	R	R	NR	NR	
Zinc Chloride, 10%	R	R	R	R	R	
Zinc Sulphate, 10%	R	R	R	R	R	

**KEY:**

R = RESISTANT    NR = NON-RESISTANT    SR = SLIGHTLY RESISTANT

EXCEPTIONS = RESISTANT WITH EXCEPTIONS

## Notes

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1. **Hydrochloric acid** — in the presence of oxidising may cause slight attack on prolonged boiling
  2. **Sulphuric acid** — will dull the surface with prolonged heating at above 250°C
  3. **Nitric acid (fuming)** — may dull the surface with prolonged heating
  4. **Phosphoric acid** — may dull the surface with prolonged heating
  5. **Potassium hydroxide** — the fused salt will cause slight attack
  6. **Sodium hydroxide** — the fused salt will cause slight attack
  7. **Hydrogen peroxide 30%** — in the presence of hydrochloric acid may cause slight attack on prolonged boiling
  8. **Ammonia** — heating in an ammonia atmosphere will darken and dull the surface, leading to a porous crystalline appearance.
  9. **Chlorine** — in the presence of hydrochloric acid may cause slight attack on prolonged boiling
  10. Potassium permanganate — in the presence of hydrochloric acid may cause slight attack on prolonged boiling
  11. **Sodium carbonate** — the fused salt may cause slight attack
  12. **Mercury** — will readily attack at any temperature
  13. **Silver nitrate** — the fused salt may cause slight attack and discolour the surface
  14. **Organic compounds** — there is no data available on most of the organic compounds listed, it is unlikely they would have any detrimental effect but we can give no guarantee to this statement.
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