



pipetman[®]

Comfortable and Secure by Nature!

MECHANICAL PIPETTES



LIGHT & COMFORTABLE BODY

EXTREMELY LOW FORCES

LOCKABLE VOLUME

2D CODE TRACEABILITY

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Increase productivity, without sacrificing comfort! PIPETMAN® L is the latest innovation of Gilson based on ergonomics, comfort and traceability research.

PIPETMAN L is available in:

- 8 single channel models covering a volume range from 0.2 µL to 10 mL.
- 8 multichannel models covering a volume range from 0.5 µL to 300 µL.
- 15 fixed models covering a volume range from 1 µL to 5000 µL.

PIPETMAN L INCREASE YOUR COMFORT FOR DAILY PIPETTING

- **Provides intuitive and comfortable handling of the pipette whatever the size of your hand** thanks to an ergonomic shape.
- **Is naturally compatible with your hand** thanks to an extreme lightness.
- **Reduces tensions while holding it** with an extended and curved finger-hook.
- **Adapts to both right and left handed users** by means of an adjustable tip-ejector button.
- **Drastically improves the pipetting and purge forces** with a unique piston assembly.

*Watch the video
on Gilson Pipetman
YouTube channel!*



ALL THE FEATURES YOU NEED

Your guarantee for high quality and reliable results with Good Laboratory Practice.

- 1 ERGONOMIC FINGER-HOOK**
- 2 COLOR CODED PUSH-BUTTON**
- 3 LOCKABLE VOLUME**
- 4 GRADUATED COVER**
- 5 IDENTIFICATION TAG**
- 6 2D IDENTIFICATION CODE BAR**
Includes the product reference, date of manufacture, serial number and nominal volume.
- 7 ADJUSTABLE TIP-EJECTOR BUTTON**
For both right and left handed users.



COMPLETE CONFIDENCE IN YOUR RESULTS

Secure pipetting guaranteed by a patented volume locking system.

The locking system guarantees the accuracy of the delivered volume while the GLP-compliant thumbwheel ensures a comfortable and reliable means of changing the volume.



Just push the thumbwheel up.



Rotate to change the volume.



Push the thumbwheel down to lock it.



Choose the position of the adjustable tip-ejector button (right or left) and start pipetting!

CHOOSE YOUR LOOK: CLASSIC METAL OR PLASTIC TIP-EJECTOR

- Fits securely into the body of the pipette.
- Avoids slipping over time.
- Avoids corrosion problems with the plastic tip-ejector.

Tip-ejectors Plastic / Stainless steel



Complete your equipment with:

Accessories	Ordering reference
TRIO, stand for 3 pipettes	F161405
CARROUSEL, stand for 7 pipettes	F161401
Name tags (x6)	FA07082



Comfortable and Secure by Nature!

Enjoy the PIPETMAN L comfort with multichannel pipettes!

1 IDENTICAL PERFORMANCE ON EACH CHANNEL

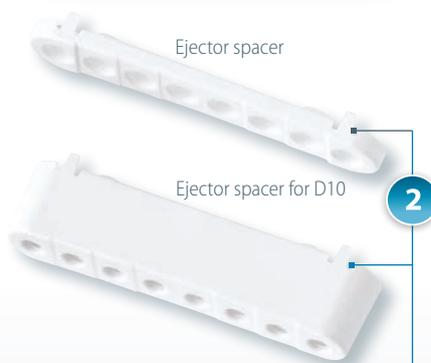
Thanks to an exclusive patented piston drive mechanism.



2 DRASTIC REDUCTION OF TIP EJECTION FORCES AND RISKS OF RSI

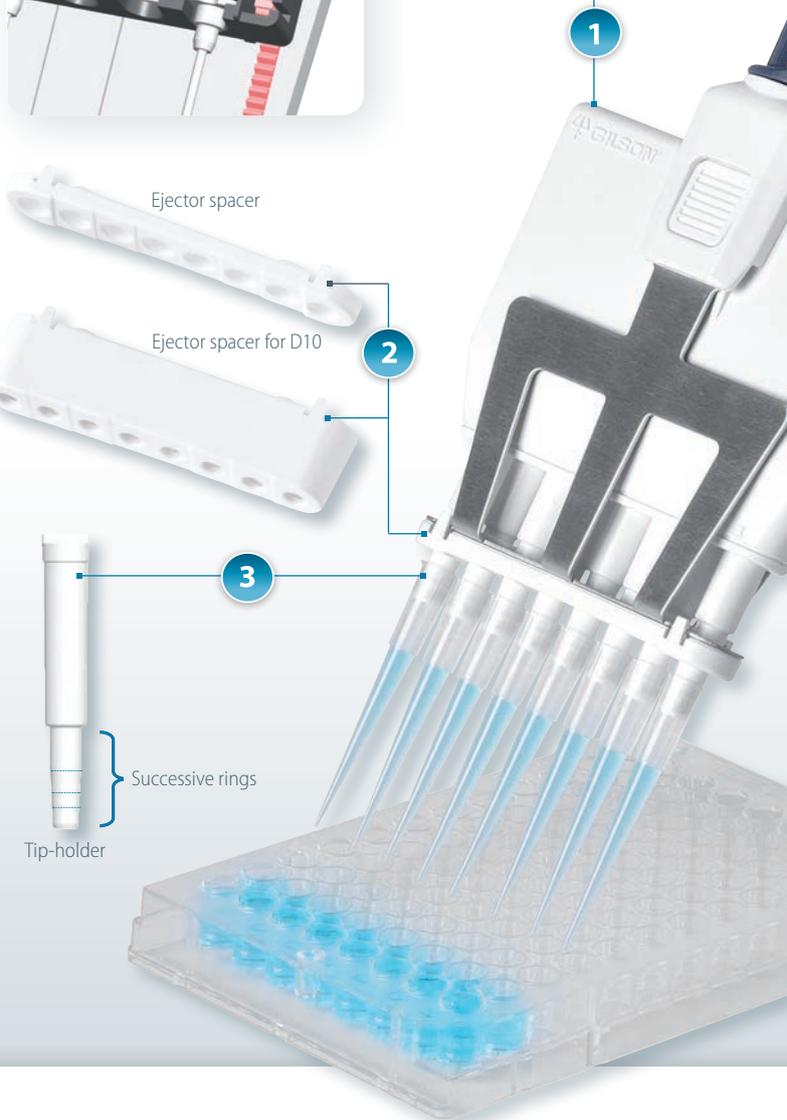
To decrease risks of RSI, the ejector spacer has been designed to sequentially apply ejection forces over each tip.

For PIPETMAN L Multichannel 10 μ L: You might have to exchange the ejector spacer; the large one is dedicated to D10, and the small one is dedicated to DL10.



3 UNIQUE HOLDING OF TIPS

Successive rings have been positioned depending on the pipette volume range to guarantee the snug fit of tips throughout the protocols.



Complete your equipment with:

Accessories	Ordering reference
Universal Multichannel stand	F161417

Simply Robust results!

Enjoy the advantages of PIPETMAN L, combined with high quality of results in the easiest and lightest way.

4 REASONS TO CHOOSE PIPETMAN L FIXED

- 1 High quality of results.
- 2 Safety: no risk of error of the delivered volume.
- 3 Extremely comfortable.
- 4 Easy to use.

PUSH BUTTON

- The lower part is colored in blue for fixed models.

GRADUATED COVER

- Can be readjusted by lab users, for dense or viscous fluids.



PLASTIC EJECTOR

- The pipette is available only with plastic ejector.
- For a convenient access to the serviceable parts, the pipette is equipped with the Gilson clip ejector.

TRUSTED RESULTS

Best results guaranteed with better performance than ISO specifications.

Pipette model	Tested volume	Maximum Permissible Errors				
		Gilson		ISO 8655		
		Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)	
SINGLE	P2L	Min. 0.2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
		0.5	± 0.025	≤ 0.012	± 0.08	≤ 0.04
		1	± 0.027	≤ 0.013	± 0.08	≤ 0.04
		Max. 2	± 0.030	≤ 0.014	± 0.08	≤ 0.04
	P10L	Min. 1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
		5	± 0.075	≤ 0.030	± 0.12	≤ 0.08
		Max. 10	± 0.100	≤ 0.040	± 0.12	≤ 0.08
	P20L	Min. 2	± 0.10	≤ 0.030	± 0.2	≤ 0.1
		10	± 0.10	≤ 0.050	± 0.2	≤ 0.1
		Max. 20	± 0.20	≤ 0.060	± 0.2	≤ 0.1
P100L	Min. 10	± 0.35	≤ 0.10	± 0.8	≤ 0.3	
	50	± 0.40	≤ 0.12	± 0.8	≤ 0.3	
	Max. 100	± 0.80	≤ 0.15	± 0.8	≤ 0.3	
P200L	Min. 20	± 0.50	≤ 0.20	± 1.6	≤ 0.6	
	100	± 0.80	≤ 0.25	± 1.6	≤ 0.6	
	Max. 200	± 1.60	≤ 0.30	± 1.6	≤ 0.6	
P1000L	Min. 100	± 3.0	≤ 0.6	± 8.0	≤ 3.0	
	500	± 4.0	≤ 1.0	± 8.0	≤ 3.0	
	Max. 1000	± 8.0	≤ 1.5	± 8.0	≤ 3.0	
P5000L	Min. 500	± 12	≤ 3	± 40	≤ 15	
	2500	± 15	≤ 5	± 40	≤ 15	
	Max. 5000	± 30	≤ 8	± 40	≤ 15	
P10mL L	Min. 1000	± 30	≤ 6	± 60	≤ 30	
	5000	± 40	≤ 10	± 60	≤ 30	
	Max. 10000	± 60	≤ 16	± 60	≤ 30	
MULTI	L8x10 L12x10	Min. 0.5	± 0.08	≤ 0.04	± 0.24	≤ 0.16
		1	± 0.08	≤ 0.05	± 0.24	≤ 0.16
		5	± 0.2	≤ 0.1	± 0.24	≤ 0.16
		Max. 10	± 0.2	≤ 0.1	± 0.24	≤ 0.16
	L8x20 L12x20	Min. 2	± 0.10	≤ 0.08	± 0.40	≤ 0.20
		10	± 0.2	≤ 0.10	± 0.40	≤ 0.20
		Max. 20	± 0.4	≤ 0.15	± 0.40	≤ 0.20
	L8x200 L12x200	Min. 20	± 0.50	≤ 0.25	± 3.2	≤ 1.2
		100	± 1.0	≤ 0.40	± 3.2	≤ 1.2
		Max. 200	± 2.0	≤ 0.5	± 3.2	≤ 1.2
	L8x300 L12x300	Min. 20	± 1	≤ 0.35	± 8	≤ 3
		30	± 1	≤ 0.35	± 8	≤ 3
Max. 300		± 3	≤ 1	± 8	≤ 3	
F1L	1	± 0.020	≤ 0.015	± 0.05	≤ 0.05	
F2L	2	± 0.050	≤ 0.020	± 0.08	≤ 0.04	
F5L	5	± 0.05	≤ 0.025	± 0.125	≤ 0.075	
F10L	10	± 0.060	≤ 0.030	± 0.12	≤ 0.08	
F20L	20	± 0.100	≤ 0.050	± 0.2	≤ 0.1	
F25L	25	± 0.200	≤ 0.070	± 0.5	≤ 0.2	
F50L	50	± 0.35	≤ 0.12	± 0.5	≤ 0.2	
F100L	100	± 0.55	≤ 0.15	± 0.8	≤ 0.3	
F200L	200	± 1.20	≤ 0.30	± 1.6	≤ 0.6	
F250L	250	± 1.50	≤ 0.75	± 4	≤ 1.5	
F300L	300	± 2.4	≤ 0.5	± 4	≤ 1.5	
F400L	400	± 2.4	≤ 0.8	± 4	≤ 1.5	
F500L	500	± 3.0	≤ 0.8	± 4	≤ 1.5	
F1000L	100	± 5.0	≤ 1.3	± 8	≤ 3	
F5000L	5000	± 20.0	≤ 7.0	± 40	≤ 15	

COMPLETE AVAILABLE RANGE

L SINGLE	Volume range (µL)	Color code	Ordering reference	
			With stainless steel ejector	With plastic ejector
P2L	0.2-2		FA10001M	FA10001P
P10L*	1-10		FA10002M	FA10002P
P20L	2-20		FA10003M	FA10003P
P100L	10-100		FA10004M	FA10004P
P200L	20-200		FA10005M	FA10005P
P1000L	100-1000		FA10006M	FA10006P
P5000L	500-5000		** FA10007	
P10mL L	1-10 mL		** FA10008	

L MULTI	Volume range (µL)	Color code	Ordering reference	
			8x	12x
L x10	0.5-10		FA10013	FA10014
L x20	2-20		FA10009	FA10010
L x200	20-200		FA10011	FA10012
L x300	20-300		FA10015	FA10016

L FIXED	Volume range (µL)	Color code	Ordering reference (plastic ejector only)
F1L	1		FA10017
F2L	2		FA10018
F5L	5		FA10019
F10L	10		FA10020
F20L	20		FA10021
F25L	25		FA10022
F50L	50		FA10023
F100L	100		FA10024
F200L	200		FA10025
F250L	250		FA10026
F300L	300		FA10027
F400L	400		FA10028
F500L	500		FA10029
F1000L	1000		FA10030
F5000L	5000		FA10031

* P10L model can be used up to 0.5 µL

** No tip-ejector needed

GILSON'S COMPLETE PIPETTING SYSTEM

Choosing quality tips is the best way to protect your experiment according to ISO 8655-2*:

"The maximum permissible errors always apply to the total system of piston pipette and tip.

When using pipette tips not delivered by the pipette supplier, the supplier declaration or certificate of conformity does not apply".

**ISO 8655 is an international standard for "piston operated apparatus".*



L SINGLE	Recommended PIPETMAN DIAMOND tips	
	Model (scale 1/2)	Volume range (µL)
P2L P10L	 D10	0.1 - 10 µL
	 DL10	0.1 - 20 µL
	 DF10	0.1 - 10 µL
	 DFL10	0.1 - 10 µL
P20L	 D200	2 - 200 µL
	 DF30	2 - 30 µL
P100L	 D200	2 - 200 µL
	 DF100	20 - 100 µL
P200L	 D200	2 - 200 µL
	 D300	20 - 300 µL
	 DF200	20 - 200 µL
	 DF300	20 - 300 µL
P1000L	 D1000	100 - 1000 µL
	 D1200	100 - 1200 µL
	 DF1000	100 - 1000 µL
	 DF1200	100 - 1200 µL
P5000L	 D5000	0.5 - 5 mL
P10mL L	 D10mL	1 - 10 mL

L MULTI	Recommended PIPETMAN DIAMOND tips	
	Model (scale 1/2)	Volume range (µL)
L8x10 L12x10	 D10	0.1 - 10 µL
	 DL10	0.1 - 20 µL
	 DF10	0.1 - 10 µL
	 DFL10	0.1 - 10 µL
L8x20 L12x20	 DL10	0.1 - 20 µL
	 DFL10	0.1 - 10 µL
	 DF30	2 - 30 µL
	 D200	2 - 200 µL
L8x200 L12x200 L8x300 L12x300	 D200	2 - 200 µL
	 D300	20 - 300 µL
	 DF200	20 - 200 µL
	 DF300	20 - 300 µL

L FIXED	Recommended PIPETMAN DIAMOND tips	
	Model (scale 1/2)	Volume range (µL)
F1L F2L F5L F10L	 D10	1 µL 2 µL 5 µL 10 µL
	 DL10	
	 DF10	
	 DFL10	
F20L F25L	 D200	20 µL 25 µL
	 DF30	
F50L F100L	 D200	50 µL 100 µL
	 DF100	
F200L	 D200	200 µL 200 µL
	 DF200	
F250L	 D300	250 µL 250 µL
	 DF300	
F300L F400L F500L F1000L	 D1000	300 µL 400 µL 500 µL 1000 µL
	 DF1000	
	 D5000	
	 D5000	

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 **GILSON**[®]

ISO 9001
CERTIFIED

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