

PIPETTE FILLING  
DEVICE

ELECTRONIC  
MICROPIPETTES

MINIATURE FIXED VOLUME  
MICROPIPETTES

MULTICHANNEL  
MICROPIPETTES

FIXED VOLUME  
MICROPIPETTES

VARIABLE VOLUME  
MICROPIPETTES

Bottle Top Dispenser

# PIPETTE FILLING D E V I C E



*fill* is a friendly, efficient and reliable electronic pipette filling instrument. Designed for ease and comfort to suit all types of liquid handling needs in every Laboratory.



## SPECIFICATIONS & ORDERING INFORMATION

Pipette Filling Device

Model	Description
MPF-GG-220V	Grey body/ Grey collet and plunger
MPF-GV-220V	Grey body/ Violet collet and plunger
MPF-GR-220V	Grey body/ Red collet and plunger
MPF-GG-110V	Grey body/ Grey collet and plunger
MPF-GV-110V	Grey body/ Violet collet and plunger
MPF-GR-110V	Grey body/ Red collet and plunger

# ELECTRONIC MICROPIPETTES



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Microlit Electronic Pipette is based on Stepper Motor with Microprocessor controlled piston movement. These are user friendly and offer effortless pipetting. Accuracy & Precision levels are very high and user-independent. This is a complete solution for every pipetting need.

- User friendly software.
- Easy, User friendly calibration.
- Recharging during operation.
- Optimized ergonomics and working comfort.
- Large Liquid Crystal Display.
- Built-in tip ejector.
- Six models cover the complete pipetting range from 0.2  $\mu\text{l}$  to 10000  $\mu\text{l}$ .



## SPECIFICATIONS & ORDERING INFORMATION

### Electronic Micropipettes

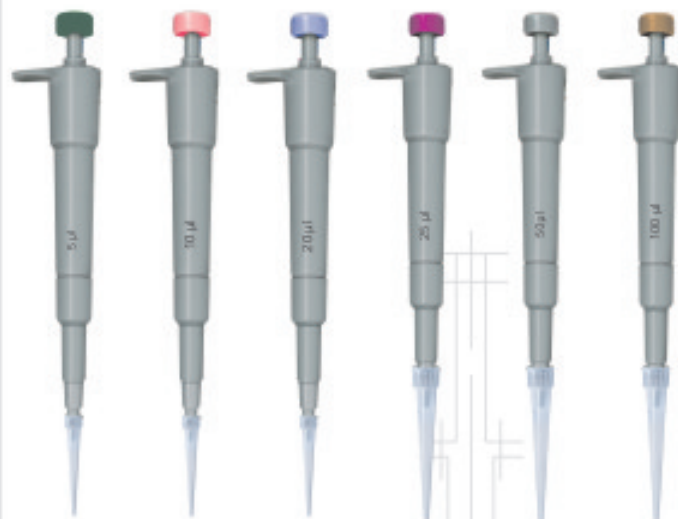
Model	Volume Range	Inc. $\mu\text{l}$	Vol. $\mu\text{l}$	Acc. $\pm\%$	CV $\leq\%$
ME-10	0.2-10 $\mu\text{l}$	0.05	0.2	12.00	10.00
			5	1.00	0.70
			10	0.90	0.40
ME-120	5-120 $\mu\text{l}$	0.5	5	3.50	1.50
			50	0.70	0.30
			120	0.40	0.15
ME-300	20-300 $\mu\text{l}$	1.0	20	2.50	0.70
			150	0.60	0.20
			300	0.40	0.15
ME-1000	50-1000 $\mu\text{l}$	5.0	50	2.00	1.00
			500	0.60	0.20
			1000	0.40	0.15
ME-5000	100-5000 $\mu\text{l}$	10.0	100	1.60	0.40
			2500	0.80	0.20
			5000	0.50	0.15
ME-10000	500-10000 $\mu\text{l}$	50.0	500	1.50	0.30
			5000	0.50	0.15
			10000	0.60	0.20



# MINIATURE FIXED VOLUME MICROPIPETTES

## LI'LPET- The Little Giant

These low cost miniature fixed volume pipettes are specially designed for use with Diagnostic Kits.



These high volume Li'lpet of 200 µl, 250 µl, 500 µl and 1000 µl are specially designed for routine Laboratory work.



### SPECIFICATIONS & ORDERING INFORMATION

#### Miniature Fixed Volume Micropipettes

Model	Vol. µl	Acc. ±%	CV ≤%
MM-5	5	1.5	1.0
MM-10	10	1.0	1.0
MM-20	20	0.5	0.5
MM-25	25	0.5	0.5
MM-50	50	0.4	0.3
MM-100	100	0.3	0.3

#### Miniature Fixed Volume Micropipettes

Model	Vol. µl	Acc. ±%	CV ≤%
MM-200	200	0.5	0.5
MM-250	250	0.5	0.5
MM-500	500	0.5	0.5
MM-1000	1000	0.5	0.5

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS

# MULTICHANNEL MICROPIPETTES

Recommended for ELISA, Molecular screening, Kinetic studies, DNA amplifications....



Available in both fully Autoclavable and Non Autoclavable versions.

## NON AUTOCLAVABLE

### 8-Channel



### 12-Channel



## FEATURES:

- Lower assembly rotates 360° for optimal working position.
- Optimum piston-spring balance for soft plunger movement.
- Easy volume setting.
- Easy sequential tip ejection system.
- Easy user calibration.
- High accuracy and performance conforming to ISO 8655 standards.

## SPECIFICATIONS & ORDERING INFORMATION

### 8-channel Non Autoclavable Micropipette

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
MC-8/10	0.5 - 10 $\mu$ l	0.1	1	4.00	4.00
			5	2.50	2.50
			10	1.50	1.50
MC-8/20	02 - 20 $\mu$ l	0.1	2	4.00	4.00
			10	1.50	1.50
			20	1.50	1.00
MC-8/50	05-50 $\mu$ l	1.0	5	3.00	2.00
			25	1.50	1.00
			50	0.50	0.50
MC-8/100	10 - 100 $\mu$ l	1.0	10	3.00	1.50
			50	1.00	0.50
			100	1.00	0.50
MC-8/200	20-200 $\mu$ l	1.0	20	2.00	0.80
			100	1.00	0.50
			200	0.70	0.25
MC-8/300	40-300 $\mu$ l	1.0	40	2.00	0.80
			150	1.00	0.50
			300	0.70	0.25

### 12-channel Non Autoclavable Micropipette

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
MC-12/10	0.5 - 10 $\mu$ l	0.1	1	4.00	4.00
			5	2.50	2.50
			10	1.50	1.50
MC-12/20	02 - 20 $\mu$ l	0.1	2	4.00	4.00
			10	1.50	1.50
			20	1.50	1.00
MC-12/50	05-50 $\mu$ l	1.0	5	3.00	2.00
			25	1.50	1.00
			50	0.50	0.50
MC-12/100	10 - 100 $\mu$ l	1.0	10	3.00	1.50
			50	1.00	0.50
			100	1.00	0.50
MC-12/200	20-200 $\mu$ l	1.0	20	2.00	0.80
			100	1.00	0.50
			200	0.70	0.25
MC-12/300	40-300 $\mu$ l	1.0	40	2.00	0.80
			150	1.00	0.50
			300	0.70	0.25

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



# FIXED VOLUME MICROPIPETTES

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Fixed Volume Pipettes are designed for many different types of routine laboratory work. Using the same state-of-art design and basic features of Variable Volume Pipettes, these fixed volume pipettes are ideal for Clinical Diagnostics, Control Analysis etc....

**Available in both Fully and Semi Autoclavable versions.**

**Fully Autoclavable**

**Semi Autoclavable**



Fixed volume pipettes are available in all capacities from 0.5  $\mu$ l to 10000  $\mu$ l (10 ml).

Call our customer service for any Custom-made fixed volume micropipette.

## SPECIFICATIONS & ORDERING INFORMATION

Fixed Volume Micropipettes

Model		Vol.	Acc.	CV
Fully Autoclavable	Semi Autoclavable	$\mu$ l	$\pm\%$	$\leq\%$
FAF-1	FV-1	1.0	2.5	1.8
FAF-2	FV-2	2.0	2.5	1.2
FAF-5	FV-5	5.0	1.5	0.8
FAF-10	FV-10	10.0	1.0	0.5
FAF-20	FV-20	20.0	0.5	0.3
FAF-25	FV-25	25.0	0.5	0.3
FAF-50	FV-50	50.0	0.3	0.3
FAF-100	FV-100	100.0	0.3	0.2

Fixed Volume Micropipettes

Model		Vol.	Acc.	CV
Fully Autoclavable	Semi Autoclavable	$\mu$ l	$\pm\%$	$\leq\%$
FAF-200	FV-200	200.0	0.3	0.2
FAF-250	FV-250	250.0	0.3	0.2
FAF-500	FV-500	500.0	0.3	0.2
FAF-1000	FV-1000	1000.0	0.3	0.2
FAF-2000	FV-2000	2000.0	0.3	0.2
FAF-5000	FV-5000	5000.0	0.3	0.2
FAF-10000	FV-10000	10000.0	0.3	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS

# VARIABLE VOLUME MICROPIPETTES

## AUTOCLAVABLE TIP-CONE

These Variable Volume Micropipettes are semi-autoclavable where the Tip-cone assembly (consisting of Piston, O-ring, spring and the tip-cone) can be detached and autoclaved. This economical version is suitable for every application including Molecular biology, Microbiology, Immunology, cell culture, Analytical Chemistry, Biochemistry, Genetics etc....



### SPECIFICATIONS & ORDERING INFORMATION

Semi Autoclavable Variable Volume Micropipettes

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
VV-2	0.2 - 2.0 $\mu$ l	0.01	0.2	12.0	6.0
			1.0	2.5	1.5
			2.0	1.5	0.7
VV-10	0.5 - 10 $\mu$ l	0.1	0.5	5.0	2.8
			5.0	1.5	0.8
			10.0	1.0	0.4
VV-20	2 - 20 $\mu$ l	0.1	2.0	5.0	1.5
			10.0	1.0	0.6
			20.0	1.0	0.3

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
VV-50	5 - 50 $\mu$ l	1.0	5.0	2.5	1.5
			25.0	0.7	0.3
			50.0	0.7	0.3
VV-100	10 - 100 $\mu$ l	1.0	10.0	2.5	0.7
			50.0	0.8	0.3
			100.0	0.8	0.15
VV-200	20 - 200 $\mu$ l	1.0	20.0	2.5	0.7
			100.0	1.0	0.3
			200.0	0.6	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS

# VARIABLE VOLUME MICROPIPETTES

## FULLY AUTOCLAVABLE

In order to keep pace with the rapid progress made in research sector in recent years, MICROLIT has made one logical step further and proudly presents the new, high precision micropipette series for today's sophisticated users in the field of Molecular biology, Microbiology, Immunology, cell culture, Analytical Chemistry, Biochemistry, Genetics etc.



### SPECIFICATIONS & ORDERING INFORMATION

Fully Autoclavable Variable Volume Micropipettes

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
FAA-2	0.2 - 2.0 $\mu$ l	0.01	0.2	12.0	6.0
			1.0	2.5	1.5
			2.0	1.5	0.7
FAA-10	0.5 - 10 $\mu$ l	0.1	0.5	5.0	2.8
			5.0	1.5	0.8
			10.0	1.0	0.4
FAA-20	2 - 20 $\mu$ l	0.1	2.0	5.0	1.5
			10.0	1.0	0.6
			20.0	1.0	0.3

Model	Volume Range	Inc. $\mu$ l	Vol. $\mu$ l	Acc. $\pm\%$	CV $\leq\%$
FAA-50	5 - 50 $\mu$ l	1.0	5.0	2.5	1.5
			25.0	0.7	0.3
			50.0	0.7	0.3
FAA-100	10 - 100 $\mu$ l	1.0	10.0	2.5	0.7
			50.0	0.8	0.3
			100.0	0.8	0.15
FAA-200	20 - 200 $\mu$ l	1.0	20.0	2.5	0.7
			100.0	1.0	0.3
			200.0	0.6	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS





# Bottle Top Dispenser

2012 . . . for Australia

*Only Research Grade stocked but @ same LOW price  
as the simpler Classic model*



## Classic & Research Models

Microlit Bottle top dispenser is genius of its strong R& D base . responding to the needs of the present generation , microlit is proud to offer its New Bottle top Dispensers in two versions : classic and Research which is an unique combination of affordable pricing and high performance

**Classic Models:** Wetted parts are PP, borosilicate Glass and FEP. Suitable for routine laboratory application

**Research models:** All wetted parts are PTFE , FEP and borosilicate glass only .this can be used for all laboratory reagent application.

Simple design clubbed with variety of useful feature makes microlit Bottle Top Dispensing an obvious choice for all dispensing needs

High precision and accuracy is ensured though careful selection of component raw material and several stages of strict quality checks during manufacturing process.

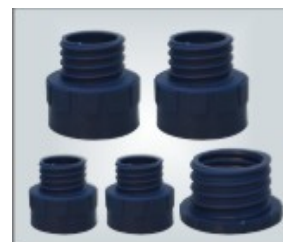
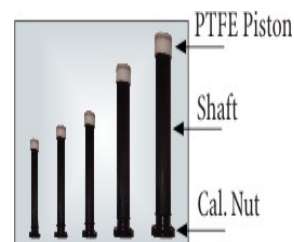
Each instrument is individually calibrated in accordance with ISO 8655 standards and comes with Individual Calibration certificate.

## GENERAL PRODUCT INFORMATION:-

Description	Classic Models	Research models
Piston	PTFE	PTFE
Cylinder	Glass	Glass
Volume adjustment knob	Screw Types	Screw Types
Valve Housing	Polypropylene	PTFE
Valve assembly	Glass ball & Seat	Glass ball & Seat
Discharge assembly	PTFE	PTFE
Delivery tube	FEP	FEP
Inlet tube	FEP	FEP
Calibration	Individually Calibrated and certified in lab easy calibration by user is also possible.	
Accuracy & Reproducibility	In accordance with ISO 8655 atandards	
Compatibility	Good for routine lab application	Excellent Compatibility with all reagent except hf

## FEATURES: CLASSIC & Research models :-

- Both classic and research models have five adjustable volume sizes:  
(a) 0.25 – 2.5 ml (b) 0.5-5.0 ml (c) 1.0-10.0 ml (d) 2.5 -30 ml (e) 5.0-60.0 ml.
- Easy to use, simple construction and smooth, effortless plunger movement for bubble free dispensing.
- Piston : Specially designed PTFE piston with silicone O-ring ensures wiper-like smooth, effortless piston movement and high accuracy.
- Each instrument comes with five adaptors to fit in most of the laboratory reagent bottles.  
Standards threads : 30mm  
Adaptors : 28mm, 32mm, 36mm, 40mm and 45mm
- Nozzle cap prevents only unwanted drop on the work space.
- Easy to dis-assemble for cleaning and servicing.
- Glass barrel is protected by a polypropylene sleeve. It also ensures no glass splitting in case of any accidental breakage.
- Valve Manifold : specially designed, springless, single piece PTFE valve manifold in the research model ensures excellent chemical compatibility, leak proof valve functioning and excellent reproducibility.
- Instrument is fully autoclavable at 121°C, 15 psi. No need for dis-assembling the instrument for autoclaving.



- Screw type volume adjustment knob with large pointer ensures precise, easy and quick volume adjustment.



- Calibration : Specially designed universal calibration tool is provided for convenient and quick In-lab user re-calibration. This is in compliance with GLO/ISO Norms.



**BT Adaptors** included . . . to FIT **GL-45**, **GL-33** and others

**Classic Discontinued 2012 - Research Model ONLY**

Price AUD	Model No.		Vol. Range	Increment	ISO 8655 Specifications				Microlit Specification			
	Classic Model	Research Model			Accuracy		CV		Accuracy		CV	
					± %	± ml	± %	± ml	± %	± ml	± %	± ml
<b>195.00</b>	BTD-1	BTDR-1	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005
<b>195.00</b>	BTD-2	BTDR-2	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010	0.5	0.025	0.1	0.005
<b>195.00</b>	BTD-3	BTDR-3	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020	0.5	0.050	0.1	0.010
<b>220.00</b>	BTD-4	BTDR-4	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060	0.5	0.150	0.1	0.030
<b>240.00</b>	BTD-5	BTDR-5	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120	0.5	0.300	0.1	0.060

## GL-45 Bottles 250, 500, 1-Liter

CT-GBGL45-1000 : \$28.00

CT-GBGL45-250 : \$12.00

CT-GBGL45-500 : \$18.00

