

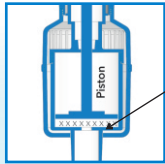
# MICROLITNERO®

Multi-functional Micropipette, Single Channel and Multichannel





# Unique Features of NERO® Single Channel (Fixed & Variable Volume) and Multi Channel Micropipette (8-Channel and 12-Channel)



Minimum  
dead  
air space

## ACHIEVE PRECISION WITH $\mu$ Air® TECHNOLOGY

It ensures high precision by minimizing dead air space between piston and liquid in the tip.



## CALIBRATE EFFICIENTLY WITH PATENTED UniCal® TECHNOLOGY

It enables quick in-lab calibration in a single operation without traditional hit and trial method.



## SOFT PLUNGER MOVEMENT

Experience the lightest pipetting with 3-5N force for 1st step and 10-14N force for 2nd step.



## POLYCARBONATE HOUSING MATERIAL

It makes the Micropipette durable, lightweight, scratch proof and dirt resistant.



## UNIVERSAL TIP CONE

This makes the Micropipette compatible with most of the internationally accepted standard tips.



## SPRING AND BALL-BASED DIGIT CHANGE MECHANISM

It ensures no accidental volume change while carrying out various operations.



## SEAMLESS INTEGRATED TIP EJECTOR

An in-built tip ejector ejects tips with optimal force and provides great aesthetic value.



## EASY VOLUME ADJUSTMENT KNOB

It offers an extremely fast volume setting by effortless rotation of the plunger.



## ERGONOMIC LIGHTWEIGHT DESIGN

It facilitates single-handed and long duration of operation with ease.



## FULLY AUTOCLAVABLE

This instrument is fully autoclavable at 121°C and 15 psi for a duration of 15-20 minutes.

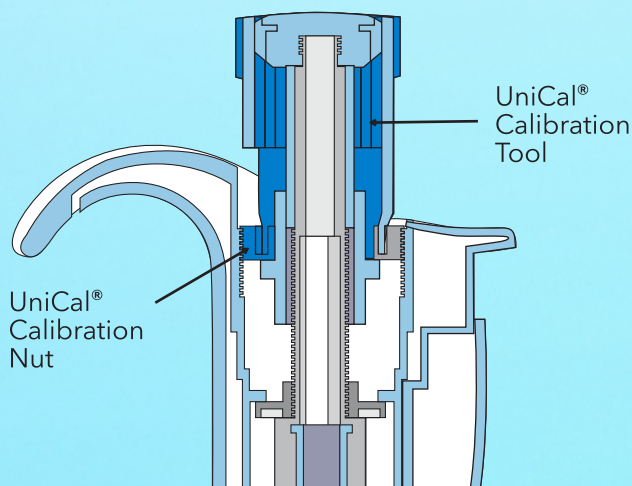


## Assured Quality with ISO 8655 Conformed Calibration

The India Design Mark 2021 awardee “NERO® micropipette” has been granted the patent for its unique calibration system, the UniCal® Technology that allows quick in-lab calibration in a single operation without disengaging the digits from the plunger mechanism. The Indian Patent Number is 405607.

### How is UniCal® Technology Beneficial?

- It eliminates the inconvenience caused by the hit-and-trial method of calibration.
- It saves the cost and time of sending the instrument to another facility for third party calibration.
- It enables the user to re-calibrate without disassembling any component, disengaging the digits from the plunger or matching calibration markers on the micropipette to the volume adjustment chart in the user manual.



#### COLOUR CODING FOR EASY IDENTIFICATION

##### Variable Volume Micropipette



##### Fixed Volume Micropipette



Colour-coding for different capacities facilitates easy identification during daily laboratory routine.

# Specifications and Ordering Information Chart of NERO® High Precision Micropipette

FIXED VOLUME MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	ACCURACY		CV	
			+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-F-1	1	5	0.05	5	0.05
	NRO-F-2	2	4	0.08	2	0.04
	NRO-F-5	5	2	0.10	1	0.05
	NRO-F-10	10	1	0.10	0.5	0.05
	NRO-F-20	20	0.8	0.16	0.4	0.08
	NRO-F-25	25	0.8	0.20	0.4	0.10
	NRO-F-50	50	0.8	0.40	0.4	0.20
	NRO-F-100	100	0.6	0.60	0.2	0.20
	NRO-F-200	200	0.6	1.20	0.2	0.40
	NRO-F-250	250	0.6	1.50	0.2	0.50
	NRO-F-500	500	0.6	3.00	0.2	1.00
	NRO-F-1000	1000	0.6	6.00	0.2	2.00
	NRO-F-2000	2000	0.6	12.00	0.2	4.00
	NRO-F-5000	5000	0.6	30.00	0.2	10.00
	NRO-F-10000	10000	0.4	40.00	0.2	20.00

VARIABLE VOLUME MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-2	0.1-2.0	0.004	1.5	0.03	0.5	0.010
	NRO-10	1-10	0.01	1	0.10	0.5	0.05
	NRO-20	2-20	0.02	0.8	0.16	0.3	0.60
	NRO-50	5-50	0.04	0.8	0.40	0.3	0.15
	NRO-100	10-100	0.1	0.6	0.60	0.2	0.20
	NRO-200	20-200	0.1	0.6	1.20	0.2	0.40
	NRO-1000	100-1000	0.5	0.6	6.00	0.2	2.00
	NRO-5000	500-5000	4.0	0.6	30.00	0.2	10.00
	NRO-10000	1000-10000	10.0	0.6	60.00	0.2	20.00

8-CHANNEL MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-E-10	0.5-10	0.01	1.6	0.16	1.00	0.01
	NRO-E-20	02-20	0.02	0.8	0.16	0.40	0.08
	NRO-E-50	05-50	0.04	0.8	0.40	0.40	0.20
	NRO-E-100	10-100	0.1	0.8	0.80	0.30	0.30
	NRO-E-200	20-200	0.2	0.8	1.60	0.30	0.60
	NRO-E-300	40-300	0.4	0.8	2.40	0.30	0.90

12-CHANNEL MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-T-10	0.5-10	0.01	1.6	0.16	1.00	0.01
	NRO-T-20	02-20	0.02	0.8	0.16	0.40	0.08
	NRO-T-50	05-50	0.04	0.8	0.40	0.40	0.20
	NRO-T-100	10-100	0.1	0.8	0.80	0.30	0.30
	NRO-T-200	20-200	0.2	0.8	1.60	0.30	0.60
	NRO-T-300	40-300	0.4	0.8	2.40	0.30	0.90

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with DIN EN ISO 8655-2 and are based on the nominal capacity indicated on the instrument. MICROLIT NERO® is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards and a Calibration Certificate is included in the product package.

## A Complete Solution for all your Pipetting Needs

MICROLIT NERO® is a range of high precision micropipettes that offer a sophisticated blend of features and functionality. Built by our expert team of Product Design Engineers, it is available in Single Channel (Fixed and Variable Volume) and Multichannel (8-channel and 12-channel) Micropipettes.

These instruments are designed with ergonomics and intuitive handling in mind and facilitate remarkable user experience in practical laboratory environments.

## Perform Re-calibration in your Laboratory with unique patented UniCal® Technology



MICROLIT NERO® is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards.

A calibration certificate is included with each instrument.

The micropipette is designed with easy user calibration method and can be easily recalibrated in minimum steps.

## Our Product Excellence



Our products reflect the design philosophy of our organization, combining the best performance parameters with the best user experience

**We were honoured by CII Industrial Innovation Awards and adjudged a place in the top 50 Most Innovative Companies of 2022.**

We are also accredited by a number of global organizations and have earned worldwide credibility.





## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Established in 1991, Microlit is one of the world's leading manufacturers & exporters of laboratory liquid handling instruments. Our product range includes micropipettes, bottle top dispensers, electronic burette, electronic pipette filling device and other micropipette accessories. With our patented products, innovative technologies & unfaltering trust of 8000+ consumers in 95+ countries, we are recognized as a respected & dependable brand in Healthcare and Lifesciences industry. Our offices are located in India (HQ), USA & Brazil. With a research-oriented & customer-centric team of product design engineers, our product design blends the best of functional performance & user experience. Our innovative products have helped us carve a niche in R&D industry while providing our users high level of precision & accuracy in their research work.

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