

Autoclavable Micro Pipette

Nichipet® EXIII

Japan's Micropipette Standard.
The latest model of a long-time
favorite among researchers.



Made from high-performance
materials with excellent UV
resistance.
The counter window is made of
glass, preventing fogging and
ensuring suitability for use inside
clean benches.



Highly chemical-resistant and robust,
the entire body is autoclavable
(121°C for 20 minutes).

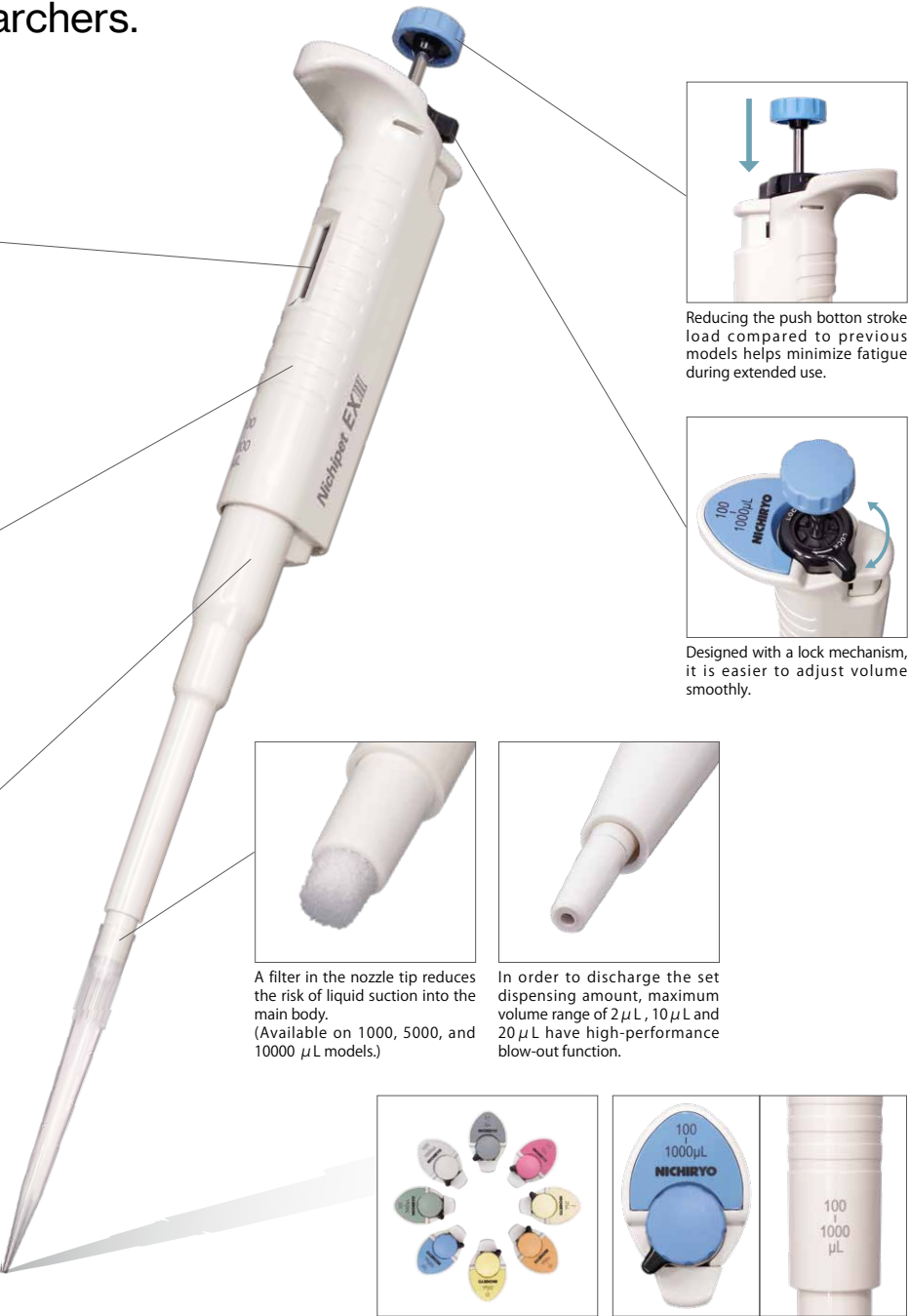


One-touch
removal design,
capable
of accommodating narrow test
tubes.

[Specifications]



- Since the volume indicator is made of glass, ultraviolet germicidal of the clean bench will not make it cloud.
- From prolonged irradiation, the surface layer of plastic may deteriorate or discolor, but its performance is not affected.



A filter in the nozzle tip reduces
the risk of liquid suction into the
main body.
(Available on 1000, 5000, and
10000 μ L models.)

In order to discharge the set
dispensing amount, maximum
volume range of 2 μ L, 10 μ L and
20 μ L have high-performance
blow-out function.



Different color depending on the volume.
The pipette volume (Cat. No.) is recognized in one glance by volume notation of
2 positions.

Product lineup (8 colors)



Specifications

Cat. No	Volume setting	Volume range (μL)	Increments(μL)	Usable tips
00-NPX3-2 (●Gray)	Digital setting	0.1 – 2	0.002	Any Nichiryo tips can be used as long as the volume matches. For product details, please see p.22–24.
00-NPX3-10 (●Pink)		0.5 – 10	0.01	
00-NPX3-20 (●Cream)		2 – 20	0.02	
00-NPX3-100 (●Orange)		10 – 100	0.1	
00-NPX3-200 (●Yellow)		20 – 200	0.2	
00-NPX3-1000 (●Blue)		100 – 1000	1	
00-NPX3-5000 (●Green)		1000 – 5000	10	
00-NPX3-10000 (●White)		1000 – 10000	10	
				00-BMT2-ZS, 00-BMT2-ZSR, 00-BMT2-ZSRB

*All products are tested before shipment using Premium Tips (P. 22) , which are the recommended tips to ensure accuracy.

Accuracy and Precision

Cat. No	Volume(μ L)	Accuracy(%)	Precision(%)	Cat. No	Volume(μ L)	Accuracy(%)	Precision(%)
00-NPX3-2	0.2	$\pm 12.0^*$	$\leq 6.0^*$	00-NPX3-200	20	± 2.5	≤ 0.7
	1	± 2.5	≤ 1.5		100	± 1.0	≤ 0.3
	2	± 1.5	≤ 0.7		200	± 0.6	≤ 0.2
00-NPX3-10	1	$\pm 2.5^*$	$\leq 1.8^*$	00-NPX3-1000	100	± 3.0	≤ 0.6
	5	± 1.5	≤ 0.8		500	± 1.0	≤ 0.2
	10	± 1.0	≤ 0.4		1000	± 0.8	≤ 0.2
00-NPX3-20	2	± 5.0	≤ 1.5	00-NPX3-5000	500	± 2.4	≤ 0.6
	10	± 1.0	≤ 0.6		2500	± 1.2	≤ 0.25
	20	± 1.0	≤ 0.3		5000	± 0.6	≤ 0.15
00-NPX3-100	10	± 3.0	≤ 1.0	00-NPX3-10000	1000	± 3.0	≤ 0.6
	50	± 1.0	≤ 0.3		5000	± 0.8	≤ 0.2
	100	± 0.8	≤ 0.2		10000	± 0.6	≤ 0.15

*Each accuracy and precision are the values which come from measuring with our compatible tip.
*The AC and CV of NPX3-2 below 0.2 μ L and NPX3-10 below 1 μ L depend on the sampling skill and the sampling condition where pipettes are used.

Disposable Tips

Premium Tip

[Except X/Z/ZS]


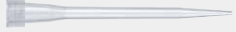







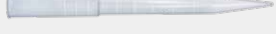


- The fine design and finishing of the top of the tips reduce the surface tension of liquid and ensure the tip to be residue free.
- The excellent sealing and discharge ability enable high accuracy of pipetting.
- Chemical and heat resistant, for which the advanced material "Highly purified polypropylene" is used.
- Fully autoclavable. (121°C for 20 minutes) Racks can be autoclaved as well. (*Exceeding the recommended standard for autoclaving may cause deformities)
- The tips being able to be attached directly from the racks avoids dirt and dust from getting in, thus rising the efficiency of the operations.
- DNase/RNase free (excludes X/Z series)
- UV resistant

Specifications

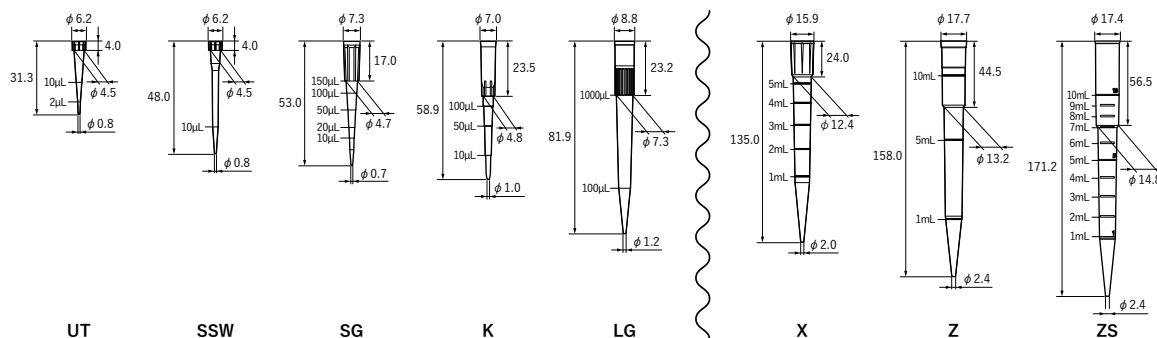
*Usable models refer to the micropipettes calibrated by our company using this tips. For compatibility with micropipettes from other manufacturers, please contact us.

*The tips are available for pipette models with in the volume range of the tip mentioned above.

Type		Cat. No.	Specification	Volume range(μL)	Color	Q'ty(box)	Usable models
UT		00-BMT2-UT	Bulk tip	0.1~10	Natural	1,000pcs	NAR-2, 10 / NAR-10M8, 10M12
		00-BMT2-UTWR	Racked tip			960pcs (96pcs×10 ² /s)	NPX3-2, 10 / NPP-2 / NLT-2
		00-BMT2-UTWRB	Racked tip (sterilized)				NPX2-2 / NPLO-NPLO2-2
SSW		00-BMT2-SSW	Bulk tip	0.5~10		1,000pcs	NPX3-2, 10
		00-BMT2-SSWR	Racked tip			960pcs (96pcs×10 ² /s)	NPP-10 / NLT-10 / NPX3-10
		00-BMT2-SSWRB	Racked tip (sterilized)				NPX2-10 / NPLO-NPLO2-10
SG		00-BMT2-SG	Bulk tip	2~200		1,000pcs	NAR-20, 100, 200 / NAR-100M8, 100M12, 200M8, 200M12
		00-BMT2-SGR	Racked tip			960pcs (96pcs×10 ² /s)	NPX3-20, 100, 200 / NPP-20, 100, 200 / NLT-20, 100, 200
		00-BMT2-SGRB	Racked tip (sterilized)				NPX2-20, 100, 200 / NPLO2-20, 100, 200
SE		00-BMT2-SE	Bulk tip	2~200		1,000pcs	NLE-10 / NPF2-10
		00-BMT2-SER	Racked tip			960pcs (96pcs×10 ² /s)	NPX-20, 100, 200
		00-BMT2-SERB	Racked tip (sterilized)				NPLO-20, 100, 200
K		00-BMT2-K	Bulk tip	30~300		1,000pcs	NAR-300M8, 300M12
		00-BMT2-KR	Racked tip			960pcs (96pcs×10 ² /s)	NPM-8K, 12K
		00-BMT2-KRB	Racked tip (sterilized)				
LG		00-BMT2-LG	Bulk tip	100~1000		1,000pcs	NAR-1000 / NPX3-1000
		00-BMT2-LGR	Racked tip			960pcs (96pcs×10 ² /s)	NPP-1000 / NLT-1000
		00-BMT2-LGRB	Racked tip (sterilized)				NPX2-1000 / NPLO2-1000
LE		00-BMT2-LE	Bulk tip	100~1000		1,000pcs	NLE-1000 / NPF2-500, 1000 / NPV2-L
		00-BMT2-LER	Racked tip			960pcs (96pcs×10 ² /s)	
		00-BMT2-LERB	Racked tip (sterilized)				
X		00-BMT2-X	Bulk tip	1000~5000		200pcs	NAR-5000 / NPX3-5000
		00-BMT2-XR	Racked tip			100pcs (50pcs×2 ² /s)	NPP-5000
		00-BMT2-XRB	Racked tip (sterilized)				NPX2-5000
Z		00-BMT2-Z	Bulk tip	1000~10000		200pcs	NPLO-NPLO2-5000
		00-BMT2-ZR	Racked tip			80pcs (40pcs×2 ² /s)	NPP-10000
		00-BMT2-ZRB	Racked tip (sterilized)				NPX2-10000
ZS		00-BMT2-ZS	Bulk tip	1000~10000		200pcs	NPL0-NPL02-10000
		00-BMT2-ZSR	Racked tip			80pcs (40pcs×2 ² /s)	
		00-BMT2-ZSRB	Racked tip (sterilized)				NAR-10000 / NPX3-10000

TIP

(measure: mm)



Standard Tip

NichimateAQUATip

Bulk tip , Refill tip

■ The N10-RF and N200-RF are compatible with the following racks: N10RK, N10LRK, and N200RK.



Refill tip



Bulk tip



Type	Length	Cat No.	Specification	Q'ty(box)
10 μL	31.3mm	00-AQA-N10	Bulk tip	1,000pcs
		00-AQA-N10-RF	Refill tip	960pcs (96pcs×10stacks)
10 μL (Long)	48.0mm	00-AQA-N10L	Bulk tip	1,000pcs
200 μL	53.0mm	00-AQA-N200	Bulk tip	1,000pcs
		00-AQA-N200-RF	Refill tip	960pcs (96pcs×5stacks×2)
1000 μL	81.9mm	00-AQA-N1000	Bulk tip	1,000pcs
		00-AQA-N1000-RF	Refill tip	960pcs (96pcs×5stacks×2)

Rack (Made of Transparent polycarbonate)

■ This rack is exclusively designed for Nichimate Aqua Tips and is made of polycarbonate. Tips are not included.



Type	Cat No.	Q'ty(box)
10μL	00-AQA-N10RK (Orange●)	5 pcs.
10μL (Long)	00-AQA-N10LRK (Red●)	
200μL	00-AQA-N200RK (Yellow●)	
1000μL	00-AQA-N1000RK (Blue●)	



Standard Tip (Sterilized Raked Tip)

NichimateAqua MarineTip



10μL

10μL (Long)

200μL

200μL (Long)

1000μL

Type	Length	Cat No.	Specification	Q'ty(box)
10 μL	32mm	00-MRN-10RB	Racked tip	960pcs (96pcs×10 ^c /s)
10 μL (Long)	46mm	00-MRN-10LRB		
200 μL	51mm	00-MRN-200RB		
200 μL (Long)	90mm	00-MRN-200LRB		
1000 μL	88mm	00-MRN-1000RB		

● This product is not recommended for repeated use with autoclave sterilization.

Tips with Excellent Liquid Drainage

Low Retention Tip



- Standard tips with high transparency and excellent liquid drainage.
- Especially effective for handling viscous liquids and surfactants that generate foam during dispensing.
- Ideal for preparing PCR reagents due to the above features.

- Bulk and Refill are non-sterile; Rack tips are provided sterile.
- DNase/RNase/Pyrogen Free.
- For research use only. Not for use in medical or clinical applications.

Specifications

Specification	Type	Length	Cat No.	Q'ty(box)
Bulk tip	10 μL	31.1mm	00-LRT-10	1,000pcs
	10 μL (Long)	45.8mm	00-LRT-10L	
	200 μL	50.8mm	00-LRT-200	
	300 μL	55.9mm	00-LRT-300	
	1250 μL	90.2mm	00-LRT-1250	
Refill tip	10 μL	31.1mm	00-LRT-10-RF	960pcs (96pcs×5stacks×2)
	10 μL (Long)	45.8mm	00-LRT-10L-RF	
	200 μL	50.8mm	00-LRT-200-RF	
	300 μL	55.9mm	00-LRT-300-RF	768pcs (96pcs×4stacks×2)
	1250 μL	90.2mm	00-LRT-1250-RF	
Racked tip	10 μL	31.1mm	00-LRT-10RB	960pcs (96pcs×10 ^c /s)
	10 μL (Long)	45.8mm	00-LRT-10LRB	
	200 μL	50.8mm	00-LRT-200RB	
	200 μL (Long)	91.1mm	00-LRT-200LRB	192pcs (96pcs×2 ^c /s)
	300 μL	55.9mm	00-LRT-300RB	960pcs (96pcs×10 ^c /s)
	1250 μL	90.2mm	00-LRT-1250RB	

● The racks can be autoclaved (121°C, 20 minutes); however, but should be replaced if deformation or discoloration occurs (Nichiryo does not guarantee that deformation or discoloration will not occur). ● Bulk and refill packages cannot be autoclaved as is. Please transfer the tips to a compatible rack, glass container, or similar ones before autoclaving. ● Autoclaving should be performed according to your laboratory manual or under the guidance of an experienced person.

Filtered Tips with Excellent Liquid Drainage

Low Retention Filtered Tip

- Features a hydrophobic HDPE filter to minimize aerosol contamination inside the micropipette during aspiration.
- DNase/RNase/Pyrogen Free.

- For research use only. Not for use in medical or clinical applications.

Specifications

Type	Length	Cat No.	Specification	Q'ty(box)
10 μL	31.1mm	00-LRT-F10RB	Racked tip (sterilized)	960pcs (96pcs×10 ^c /s)
10 μL (Long)	45.8mm	00-LRT-F10LRB		
20 μL	50.8mm	00-LRT-F20RB		
100 μL		00-LRT-F100RB		192pcs (96pcs×2 ^c /s)
200 μL		00-LRT-F200RB		
200 μL (Long)	91.1mm	00-LRT-F200LRB		
300 μL	55.9mm	00-LRT-F300RB	960pcs (96pcs×10 ^c /s)	
1250 μL	90.2mm	00-LRT-F1250RB		

● The racks can be autoclaved (121°C, 20 minutes), but should be replaced if warped or discolored.