

Fixed Volume & Three Volume Micro Pipette

Nichipet® FII & VII

[Parts List]



- The light and slender design along with the smooth movement of the plunger reduces the operator's fatigue.
- Built-in tip ejector
- PTFE (Fluorine resin) is used in the airtight chamber of the instrument, so the instrument keeps its air tight seal and precise reproducibility for long hours.

Nichipet F II

- ▷ Suitable when only one volume is needed.
- ▷ A wide range of standard volumes from 10μL – 1000μL.
- ▷ Other volumes within the range available for special order.

Nichipet V II

- ▷ Three different volume models
- ▷ Volume change by simply turning the knob.



Specifications

Type	Cat. No	Volume setting	Volume range(μL)	Accuracy(%)	Precision(%)	Usable tips
F II	00-NPF2-10	Fixed	10	±1.2	≤0.4	Any Nichiryo tips can be used as long as the volume matches. For product details, please see p.23–25.
	00-NPF2-20		20	±0.8	≤0.3	
	00-NPF2-25		25	±0.8	≤0.3	
	00-NPF2-30		30	±0.8	≤0.3	
	00-NPF2-50		50	±0.6	≤0.3	
	00-NPF2-100		100	±0.6	≤0.3	
	00-NPF2-200		200	±0.6	≤0.2	
	00-NPF2-500		500	±0.5	≤0.2	
	00-NPF2-1000		1000	±0.5	≤0.2	
VII	00-NPV2-S	Three variable settings	10/20/50	±1.2 – ±0.7	≤0.6 – ≤0.3	
	00-NPV2-M		50/100/200	±0.7 – ±0.5	≤0.4 – ≤0.3	
	00-NPV2-L		200/500/1000	±0.7 – ±0.5	≤0.3 – ≤0.2	

*All products are tested before shipment using Premium Tips (P. 23), which are the recommended tips to ensure accuracy.

Variable Volume Macro Pipette

MODEL 3100

- Four different volume models from 1 mL to 10mL
- Light weight and slender body
- Easy to operate
- Liquid touches only disposable tip
- PTFE piston ensures complete sealing of the syringe.

[Specifications]



Specifications

Cat. No	Volume range(mL)	Increment(mL)
00-31N-1000	0.2 – 1.0	0.1
00-31N-2000	0.4 – 2.0	0.1
00-31N-5000	1.0 – 5.0	0.5
00-31N-10000	2.0 – 10.0	0.5

● Accuracy and Precision ±1.0% / ≤1.0%

● Disposable tips

Cat. No	Volume range(mL)	Color	Q'ty(bag)
00-MPT-1	0.2 – 1.0	Clear	1000
00-MPT-2	0.4 – 2.0	Clear	200
00-BMT2-X	1.0 – 5.0	Clear	200
00-BMT2-Z	2.0 – 10.0	Clear	200



Correspondence table

Nichiryo's micropipette "Nichipet" can be autoclaved entirely without disassembly, with features such as low (plunger) resistance when the push button is pressed to mitigate user fatigue, and high chemical resistance depending on the model. In addition, there is a wide lineup starting from introductory models recommended for student training.

	Multi Channel	Auto clivable	UV Resistance	Stroke Load Reduction	Organic Solvent Resistance	5-Year Warranty	Hyper Blower System	High Durability	Non Grease	Capacity Fixed	Lock	CE
	Multi Channel	121°C 20min Autoclavable	UV Resistance	Stroke Load Reduction	Organic Solvent Resistance	5-year WARRANTY	Hyper Blower System	High Durability	Non-Grease	Fixed Volume	Lock	CE
Nichipet EX III		●	●				▲ *1				●	●
Nichipet Air		●		●			▲ *1					●
Nichipet Air -Multi channel-	●	●		●			▲ *2					●
Nichipet Premium		●	●			●	▲ *3	●	●		●	●
Nichipet EX Plus II		●	●		●		▲ *3		●		●	●
NICHIRYO Le												●
Nichipet F II									●	●		
Nichipet V II									●	▲ *4		

*1 Available for 2 μL, 10 μL and 20 μL models. *2 Available for 10 μL models. *3 Available for 2 μL and 10 μL models. *4 Interchangeable three fixed volumes.

Nichiryo's Micropipette 12 Features

1. Multi-Channel Micropipettes



Since it is possible to dispense one row of 96-well microplates in one dispensing operation, it greatly increases work efficiency.



Nichiryo's pipettes are sterilized without disassembling, the main body in one piece is repeatedly autoclavable. (121°C · 20 min)



To prevent damage and deterioration of the body due to long-term use in the clean bench, materials with excellent UV resistance is used.

4. Stroke Load Reduction Micropipette



Stroke load reduction model designed with a lighter press button, designed mainly for female researchers to lessen the burden and fatigue of pipetting.



Parts are made of materials highly resistant to inorganic and organic solvents. (e.g. alkali, ketone, esters, aldehydes etc.)



Within 5 years after purchase, and during maintenance intervals, parts exchange and normal repair service expenses are guaranteed to be free of charge.

7. Micropipettes with High-performance Blow-out Function



Micropipettes that improved the liquid residue in a tip by special mechanism in case of a very small dispensing.



More durable materials are used for nozzles and seal rings. Pipettes that will endure and can be used with confidence.



Since greasing of the plunger part is unnecessary, ordinary maintenance is simple.

10. Volume Lock Function Micropipettes



Volume lock to prevent unintentional volume shifts while pipetting.



Micropipettes suitable for repeated dispensing in the same volume.



Micropipettes that have acquired CE certification.

Disposable Tips

Premium Tip

- 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



Standard Tip

NichimateAQUA Tip

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 μ L		00-AQA-N10	Bulk tip	1,000pcs
		00-AQA-N10-RF	Refill tip	960pcs (96pcs × 10stacks)
10 μ L (Long)		00-AQA-N10L	Bulk tip	1,000pcs
200 μ L		00-AQA-N200	Bulk tip	1,000pcs
		00-AQA-N200-RF	Refill tip	960pcs (96pcs × 5stacks × 2)
1000 μ L		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 Marine Tip



10μL

10μL (Long)

200μL

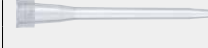
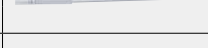
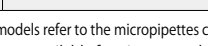
200μL (Long)

1000μL

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

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

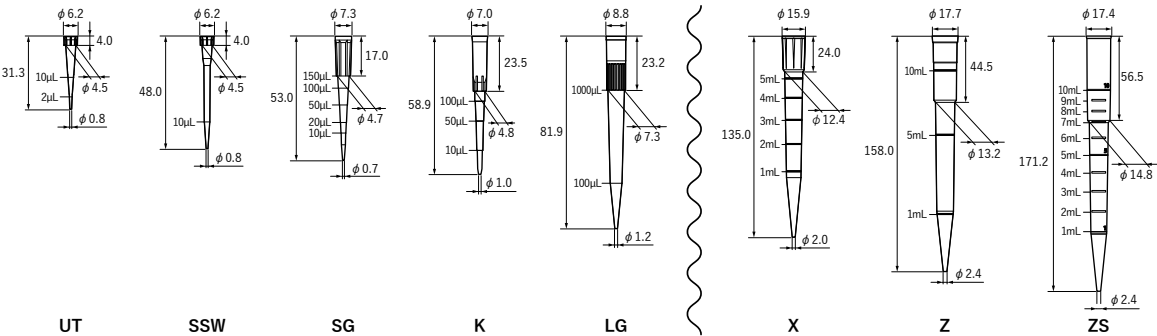
Specifications

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%)	NPX3-2, 10 / NPP-2 / NLT-2 NPX2-2 / NPLO-NPLO2-2 NPM-8V, 12V	
		00-BMT2-UTWRB	Racked tip (sterilized)					
SSW		00-BMT2-SSW	Bulk tip	0.5~10		1,000pcs	NPX3-2, 10	
		00-BMT2-SSWR	Racked tip			960pcs (96pcs×10%)	NPP-10 / NLT-10 / NPX3-10 NPX2-10 / NPLO-NPLO2-10 NLE-10 / NPF2-10	
		00-BMT2-SSWRB	Racked tip (sterilized)					
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%)	NPX3-20, 100, 200 / NPP-20, 100, 200 / NLT-20, 100, 200 NPX2-20, 100, 200 / NPLO2-20, 100, 200 NLE-20, 100, 200 / NPF2-20~200 NPV2-S, M / NPM-8S, 8L, 12S, 12L	
		00-BMT2-SGRB	Racked tip (sterilized)					
K		00-BMT2-K	Bulk tip	30~300		1,000pcs	NAR-300M8, 300M12 NPM-8K, 12K	
		00-BMT2-KR	Racked tip			960pcs (96pcs×10%)		
		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%)	NPP-1000 / NLT-1000	
		00-BMT2-LGRB	Racked tip (sterilized)				NPX2-1000 / NPLO2-1000 NLE-1000 / NPF2-500, 1000 / NPV2-L	
X		00-BMT2-X	Bulk tip	1000~5000		200pcs	NAR-5000 / NPX3-5000	
		00-BMT2-XR	Racked tip			100pcs (50pcs×2%)	NPP-5000	
		00-BMT2-XRB	Racked tip (sterilized)				NPX2-5000 NPLO-NPLO2-5000	
Z		00-BMT2-Z	Bulk tip	1000~10000		200pcs	NPP-10000	
		00-BMT2-ZR	Racked tip			80pcs (40pcs×2%)	NPX2-10000	
		00-BMT2-ZRB	Racked tip (sterilized)				NPLO-NPLO2-10000	
ZS		00-BMT2-ZS	Bulk tip	1000~10000		200pcs	NAR-10000 / NPX3-10000	
		00-BMT2-ZSR	Racked tip			80pcs (40pcs×2%)		
		00-BMT2-ZSRB	Racked tip (sterilized)					

*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.

TIP

(measure: mm)



CONSUMABLE

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 μ L	31.1mm	00-LRT-10	1,000pcs
	10 μ L (Long)	45.8mm	00-LRT-10L	
	200 μ L	50.8mm	00-LRT-200	
	300 μ L	55.9mm	00-LRT-300	
	1250 μ L	90.2mm	00-LRT-1250	
Refill tip	10 μ L	31.1mm	00-LRT-10-RF	960pcs (96pcs $\times$ 5stacks $\times$ 2)
	10 μ L (Long)	45.8mm	00-LRT-10L-RF	
	200 μ L	50.8mm	00-LRT-200-RF	
	300 μ L	55.9mm	00-LRT-300-RF	
	1250 μ L	90.2mm	00-LRT-1250-RF	768pcs (96pcs $\times$ 4stacks $\times$ 2)
Racked tip	10 μ L	31.1mm	00-LRT-10RB	960pcs (96pcs $\times$ 10 $\angle$ /s)
	10 μ L (Long)	45.8mm	00-LRT-10LRB	
	200 μ L	50.8mm	00-LRT-200RB	
	200 μ L (Long)	91.1mm	00-LRT-200LRB	192pcs (96pcs $\times$ 2 $\angle$ /s)
	300 μ L	55.9mm	00-LRT-300RB	960pcs (96pcs $\times$ 10 $\angle$ /s)
	1250 μ L	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)
10μL 	31.1mm	00-LRT-F10RB	Racked tip (sterilized)	960pcs (96pcs×10 ^{c/s})
10μL(Long) 	45.8mm	00-LRT-F10LRB		
20μL 	50.8mm	00-LRT-F20RB		
100μL 		00-LRT-F100RB		
200μL 		00-LRT-F200RB		
200μL(Long) 	91.1mm	00-LRT-F200LRB		192pcs (96pcs×2 ^{c/s})
300μL 	55.9mm	00-LRT-F300RB		960pcs (96pcs×10 ^{c/s})
1250μL 	90.2mm	00-LRT-F1250RB		

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

ACCESSORY

Low Retention Tip / Low Retention Filtered Tip / Accessories

Pipette Stand



- Cat. No 00-NAR-STD
Storing capacity ... 8pcs
Compatible models ... Nichipet Air
Nichipet Air -Multi Channel-
Nichipet Premium
Nichipet Premium LT*
NICHIRYO Le
- Can be mounted on the stand with attaching a tip (only for Nichipet Air).

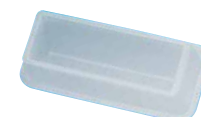


- Cat. No 00-MLT-STD3
Storing capacity ... 6pcs
Compatible models ... Nichipet EX III
Nichipet Premium
Nichipet premium LT*
Nichipet EX II*
Nichipet EX Plus II
Nichiryo Le
Nichipet EX II MULTI*



- Cat. No 00-NLE-STD (ABS)
Storing capacity ... 1pc
Compatible models ... Nichipet EX III
Nichipet Premium
Nichipet premium LT*
Nichipet EX II*
Nichipet EX Plus II
Nichiryo Le

Tray



- Cat. No 00-88-TY
Q'ty 50pcs
Compatible models ... Nichipet Air -Multi Channel-
Nichipet EX II* MULTI*
MODEL 8800*

Volume adjustment tool



- Cat. No 00-NAR-AT (for NAR)
00-NX3-AT (for NPX3)
Q'ty 1pc

Tube Opener



- Cat. No 00-NTO-001
Q'ty 3pcs
Compatible models ... Nichipet Premium
Nichipet premium LT*
Nichipet EX II*
Nichipet EX Plus II

Grease



- Cat. No 00-NAR-GRS (for NAR)
00-NX3-GRS (for NPX3)
00-N3-0711A (for NLE)
00-NLT-3400000 (for NLT*)
00-NPM-3400000 (for NPM*)
Q'ty 1pc

Filter

For NPP-1000

- Cat. No 00-NP-0601000
Q'ty 10pcs



For NPLO II-1000

- Cat. No 00-LO2-0601000
Q'ty 10pcs



For NPX II-1000

- Cat. No 00-NX2-0601000
Q'ty 10pcs



For NPP,NPX II,NPLO II-5000,10000

- Cat. No ... 00-NX2-0615000
Q'ty 100pcs



For NAR-5000,10000

- Cat. No ... 00-NAR-F15000
Q'ty 10pcs



For NPX III-1000, 5000,10000

- Cat. No 00-NX3-F1000,
00-NX3-F15000
Q'ty 10pcs

