

Among the world's lightest Micro Pipettes

Nichipet® Air

New evolution for world- class light weight, accuracy, and precision.



Volume adjustment by the exclusive jig is only have to set the volume into the scale marks.

Up to 70% reduction in stroke load pressure compared with conventional models.

Aspiration & Discharge

Volume setting
Volume setting rotator is independent from the push button. Avoiding the volume shift during pipetting.

The shape to fit the hands based on the ergonomics.

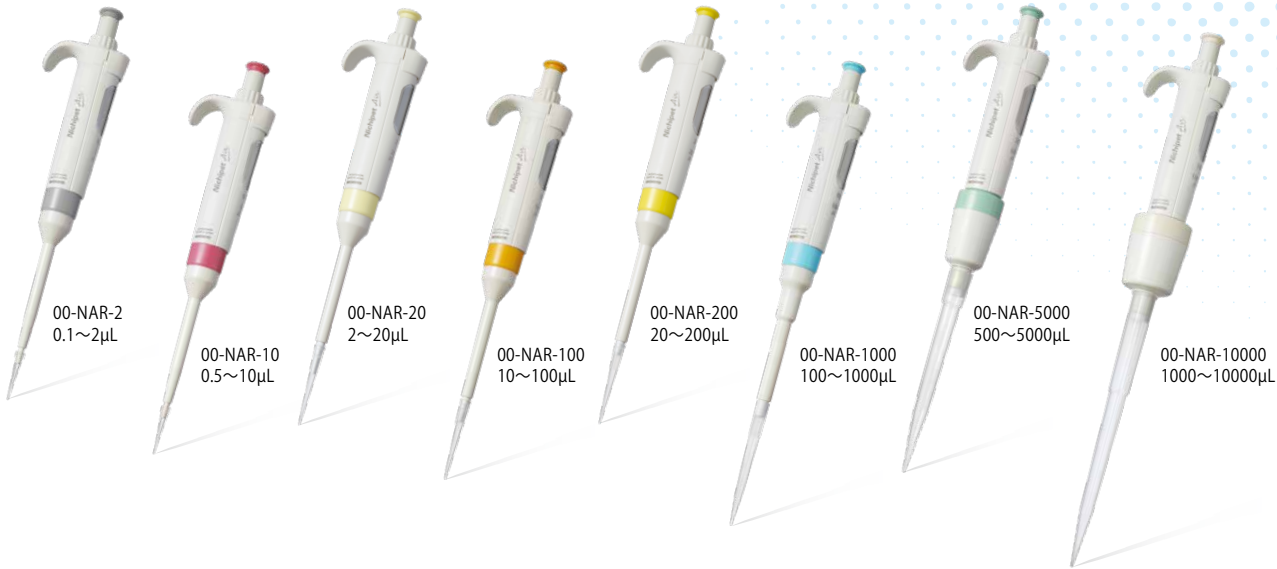
The volume can be checked during pipetting.

Removable with easy rotating
One-touch removable and can be used for a thin test-tube.

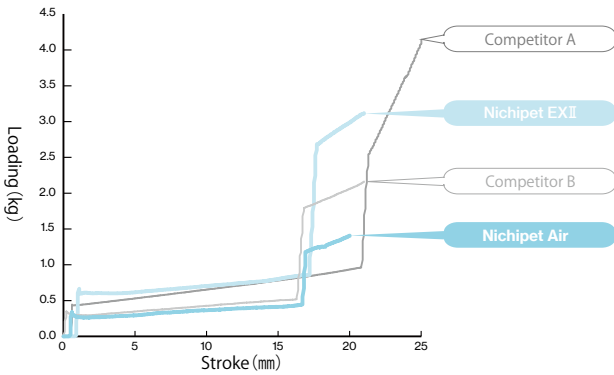
* This image is 20 μ L
In order to discharge the set dispensing amount, maximum volume range of 2 μ L , 10 μ L and 20 μ L have high-performance blow-out function.

Keeps the same durability as previous model and reduce the weight as 56% at maximum. Operability is improved with compact design. Approximate 70g. Fully autoclavable.

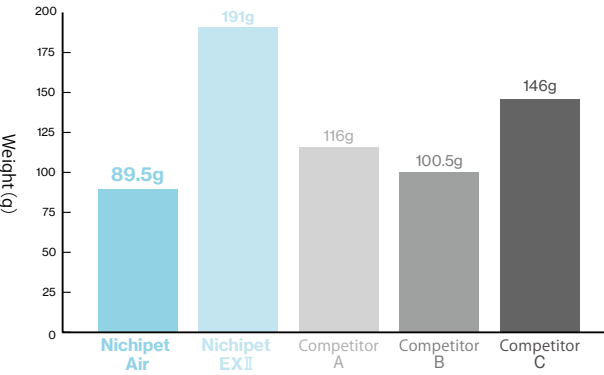
■ Product lineup (8 colors)



■ Stroke loading comparison with competitors (1000 μ L)



■ Weight comparison with competitors (10000 μ L)



Specifications

Cat. No	Volume Setting	Volume range(μL)	Increments(μL)	Usable tips
00-NAR-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-NAR-10 (●Pink)		0.5~10	0.01	
00-NAR-20 (●Cream)		2~20	0.02	
00-NAR-100 (●Orange)		10~100	0.1	
00-NAR-200 (●Yellow)		20~200	0.2	
00-NAR-1000 (●Blue)		100~1000	1	
00-NAR-5000 (●Green)		500~5000	5	
00-NAR-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-NAR-2 (● Gray)	0.2	$\pm 12.0^*$	$\leq 6.0^*$	00-NAR-200 (● Yellow)	20	± 1.8	≤ 0.7
	1	± 2.5	≤ 1.5		100	± 1.0	≤ 0.3
	2	± 1.4	≤ 0.7		200	± 0.6	≤ 0.2
00-NAR-10 (● Pink)	1	± 2.5	≤ 1.8	00-NAR-1000 (● Blue)	100	± 1.0	≤ 0.6
	5	± 1.5	≤ 0.8		500	± 0.8	≤ 0.2
	10	± 1.0	≤ 0.4		1000	± 0.6	≤ 0.2
00-NAR-20 (● Cream)	2	± 3.0	≤ 1.5	00-NAR-5000 (● Green)	500	± 2.0	≤ 0.6
	10	± 1.2	≤ 0.6		2500	± 0.7	≤ 0.25
	20	± 1.0	≤ 0.3		5000	± 0.5	≤ 0.15
00-NAR-100 (● Orange)	10	± 3.0	≤ 1.0	00-NAR-10000 (● White)	1000	± 2.0	≤ 0.6
	50	± 1.0	≤ 0.3		5000	± 0.8	≤ 0.2
	100	± 0.8	≤ 0.2		10000	± 0.5	≤ 0.15

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

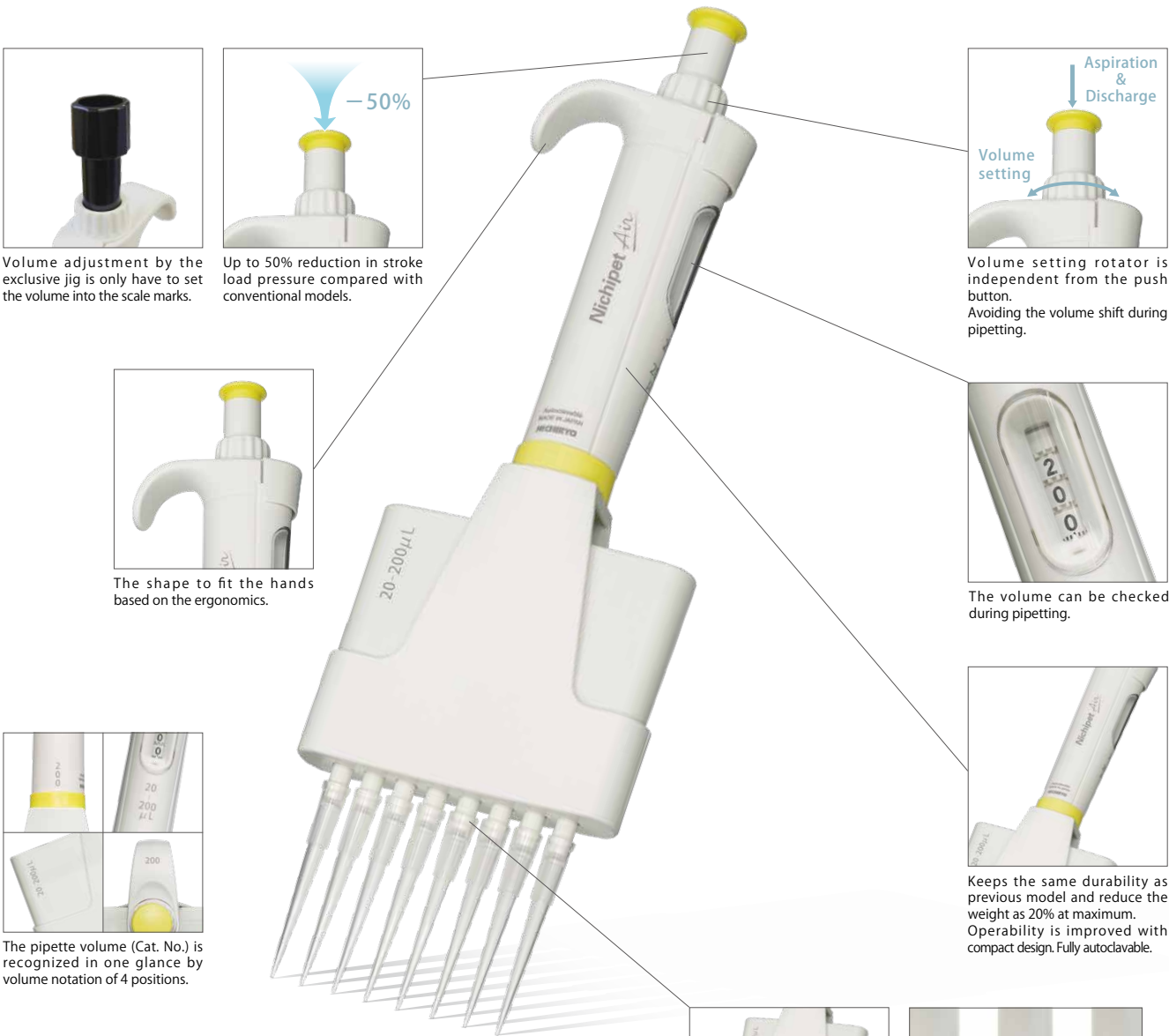


■ In order to reduce fatigue during long-term use, significant weight reduction and stroke load reduction have been achieved.

Among the world's lightest Micro Pipettes

Nichipet® Air -Multi Channel-

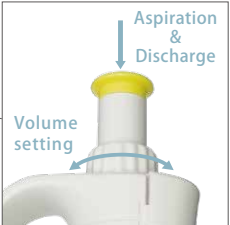
Multi channel model of 'Nichipet Air' among the world's lightest pipette with world class Accuracy and Precision.



Volume adjustment by the exclusive jig is only have to set the volume into the scale marks.



Up to 50% reduction in stroke load pressure compared with conventional models.



Volume setting rotator is independent from the push button. Avoiding the volume shift during pipetting.



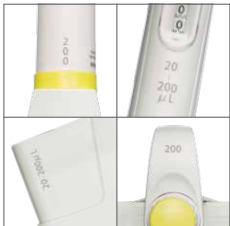
The shape to fit the hands based on the ergonomics.



The volume can be checked during pipetting.



Keeps the same durability as previous model and reduce the weight as 20% at maximum. Operability is improved with compact design. Fully autoclavable.



The pipette volume (Cat. No.) is recognized in one glance by volume notation of 4 positions.



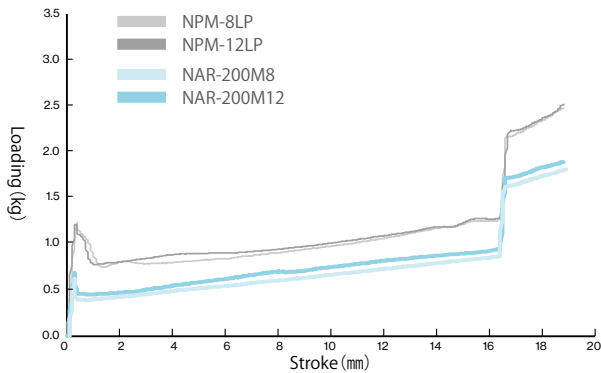
In order to reduce fatigue during long-term use, significant weight reduction and stroke load reduction have been achieved.

Product lineup (4 colors)

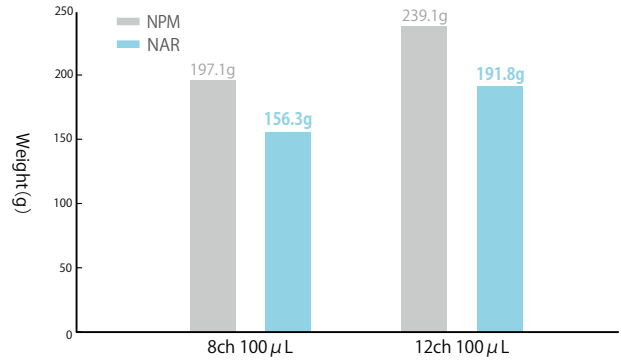


00-NAR-10M8 0.5~10μL 00-NAR-100M8 10~100μL 00-NAR-200M8 20~200μL 00-NAR-300M8 30~300μL 00-NAR-10M12 0.5~10μL 00-NAR-100M12 10~100μL 00-NAR-200M12 20~200μL 00-NAR-300M12 30~300μL

Stroke loading comparison in 'Nichipet' (200 μL)



Weight comparison in 'Nichipet' (100 μL)



Specifications

Cat. No	Channel	Volume Setting	Volume range(μL)	Increments(μL)	Usable tips
00-NAR-10M8 (●Pink)	8	Digital Setting	0.5 – 10	0.01	Any Nichiryo tips can be used as long as the volume matches. For product details, please see p.22–24.
00-NAR-100M8 (●Orange)			10 – 100	0.1	
00-NAR-200M8 (●Yellow)			20 – 200	0.2	
00-NAR-300M8 (●White)			30 – 300	0.5	
00-NAR-10M12 (●Pink)	12		0.5 – 10	0.01	
00-NAR-100M12 (●Orange)			10 – 100	0.1	
00-NAR-200M12 (●Yellow)			20 – 200	0.2	
00-NAR-300M12 (●White)			30 – 300	0.5	

*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(μL)	Accuracy(%)	Precision(%)	Cat. No	Volume(μL)	Accuracy(%)	Precision(%)
10 μL (00-NAR-10M8) (00-NAR-10M12)	1	±8.0*	≤5.0*	200 μL (00-NAR-200M8) (00-NAR-200M12)	20	±3.0	≤1.5
	5	±4.0	≤2.0		100	±1.0	≤0.7
	10	±2.0	≤1.0		200	±0.8	≤0.3
100 μL (00-NAR-100M8) (00-NAR-100M12)	10	±3.0	≤2.0	300 μL (00-NAR-300M8) (00-NAR-300M12)	30	±3.0	≤1.0
	50	±1.0	≤0.8		150	±1.0	≤0.5
	100	±0.8	≤0.3		300	±0.8	≤0.3

*Each accuracy and precision are the values which come from measuring with our compatible tip.
*The AC and CV of NAR-10M8 and 10M12 below 1 μL depend on the sampling skill and the sampling condition where pipettes are used.

Disposable Tips

Premium Tip

[Except X/Z/ZS]

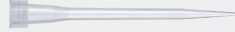
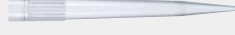
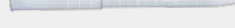


- The fine design and finishing of the top of the tips reduce the surface tension of liquid and ensure the tip to be residue free.
- The excellent sealing and discharge ability enable high accuracy of pipetting.
- Chemical and heat resistant, for which the advanced material "Highly purified polypropylene" 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

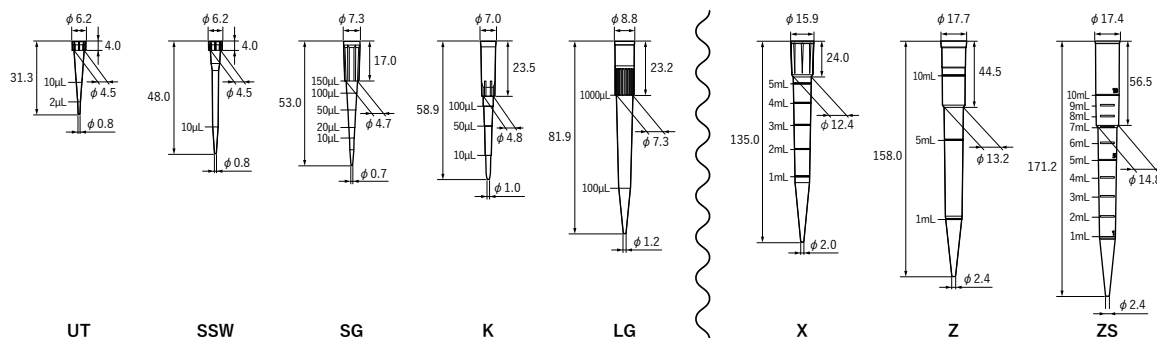
*Usable models refer to the micropipettes calibrated by our company using this tips. For compatibility with micropipettes from other manufacturers, please contact us.

*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	NLE-10 / NPF2-10
		00-BMT2-SGR	Racked tip			960pcs (96pcs×10 ² /s)	NAR-20, 100, 200 / NAR-100M8, 100M12, 200M8, 200M12
		00-BMT2-SGRB	Racked tip (sterilized)				NPX3-20, 100, 200 / NPP-20, 100, 200 / NLT-20, 100, 200
SE		00-BMT2-SE	Bulk tip	2~200		1,000pcs	NPX2-20, 100, 200 / NPLO2-20, 100, 200
		00-BMT2-SER	Racked tip			960pcs (96pcs×10 ² /s)	NLE-20, 100, 200 / NPF2-20~200
		00-BMT2-SERB	Racked tip (sterilized)				NPV2-S, M / NPM-8S, 8L, 12S, 12L
K		00-BMT2-K	Bulk tip	30~300		1,000pcs	NPX-20, 100, 200
		00-BMT2-KR	Racked tip			960pcs (96pcs×10 ² /s)	NPLO-20, 100, 200
		00-BMT2-KRB	Racked tip (sterilized)				
LG		00-BMT2-LG	Bulk tip	100~1000		1,000pcs	NAR-300M8, 300M12
		00-BMT2-LGR	Racked tip			960pcs (96pcs×10 ² /s)	NPM-8K, 12K
		00-BMT2-LGRB	Racked tip (sterilized)				
LE		00-BMT2-LE	Bulk tip	100~1000		1,000pcs	NAR-1000 / NPX3-1000
		00-BMT2-LER	Racked tip			960pcs (96pcs×10 ² /s)	NPP-1000 / NLT-1000
		00-BMT2-LERB	Racked tip (sterilized)				NPX2-1000 / NPLO2-1000
X		00-BMT2-X	Bulk tip	1000~5000		200pcs	NLE-1000 / NPF2-500, 1000 / NPV2-L
		00-BMT2-XR	Racked tip			100pcs (50pcs×2 ² /s)	NPX-1000
		00-BMT2-XRB	Racked tip (sterilized)				NPLO-1000
Z		00-BMT2-Z	Bulk tip	1000~10000		200pcs	NAR-5000 / NPX3-5000
		00-BMT2-ZR	Racked tip			80pcs (40pcs×2 ² /s)	NPP-5000
		00-BMT2-ZRB	Racked tip (sterilized)				NPX2-5000
ZS		00-BMT2-ZS	Bulk tip	1000~10000		200pcs	NPLO-NPLO2-5000
		00-BMT2-ZSR	Racked tip			80pcs (40pcs×2 ² /s)	NPP-10000
		00-BMT2-ZSRB	Racked tip (sterilized)				NPX2-10000

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
10 μL (Long)		00-AQA-N10-RF	Refill tip	960pcs (96pcs × 10stacks)
200 μL	53.0mm	00-AQA-N200	Bulk tip	1,000pcs
1000 μL		00-AQA-N200-RF	Refill tip	960pcs (96pcs × 5stacks × 2)
	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 μ L	32mm	00-MRN-10RB	Racked tip	960pcs (96pcs×10 ^c /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.

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		960pcs (96pcs × 10 ^c /s)
300 μL	55.9mm	00-LRT-F300RB		
1250 μL	90.2mm	00-LRT-F1250RB		

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