



ISO 9001:2015 認証取得
ISO 14001:2015 認証取得

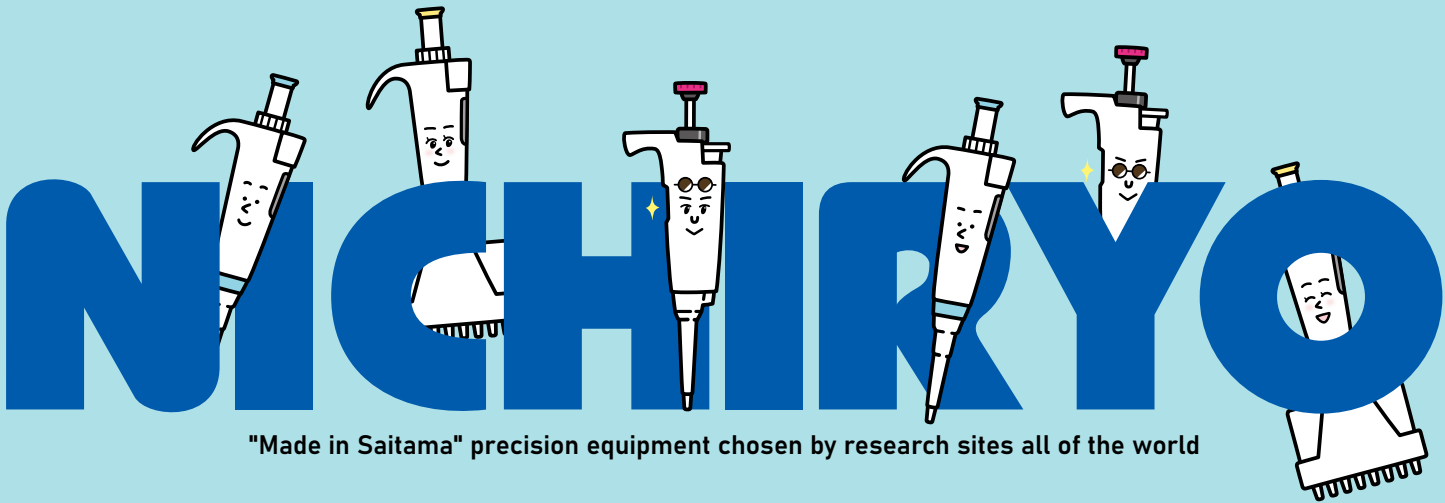


Our calibration service center uses ISO/IEC 17025 (B1 Q 17025) as accreditation criteria and is accredited by JCSS which is operating an accreditation scheme in accordance with ISO/IEC 17025. The accreditation body (in Japan) operating JCSS has signed Mutual Recognition Arrangement (MRA) of Asia Pacific Laboratory Accreditation Cooperation (APLAC) and International Laboratory Accreditation Cooperation (ILAC). Our calibration service center is a JCSS accredited laboratory corresponding to international MRA. The accreditation number of our calibration service center is JCSS0280.

02-12182025

PRODUCT LINE-UP

PIPETTE / DISPENSER / CUSTOM MADE & OEM



"Made in Saitama" precision equipment chosen by research sites all of the world



We will continue to contribute in the endeavor
to make a better society through
supporting our customers in their business solutions.

Ever since establishment in 1944, Nichiryo Co.,LTD.
has been contributing to society as a liquid handling device
manufacturer through supporting customer prosperity.

Today, the Nichiryo liquid handling technology supports customers worldwide in
various fields from life science to clinical laboratories.

We will pursue further global operations to bond a profound partnership
with customers by offering proactive solutions
with "Challenge, Creation and Cooperation".

President **Yoshinori Ito**



Corporate Identity

Mutual prosperity with environment, life and sustainable development.
Nichiryo as a faithful partner, promise to provide reliable products,
service and solutions to all researchers.

CONCEPT

「i」like human being means Nichiryo always connects with customers in their trust.
It also looks like a flowing movement and a broad expanse.
We will keep moving toward the future. Adopting green color shows we always
devote ourselves to being an environment conscious company.



Guidelines for Action

Challenge

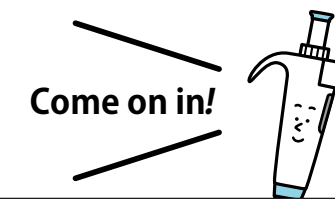
Always making efforts to achieve the high goal.

Creation

Thinking differently. Creating innovative products.

Cooperation

Being always aware of building a cohesive team.



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- To ensure safe and proper use of our products and to avoid harm to people and property, please make sure to carefully read and fully understand the "Safety Precautions" (especially the "Cautions" section) before use. If anything is unclear, please contact us.
- For accidents or harm caused by misuse and altering of the products without Nichiryo's permission, we will not be held responsible.
- The specifications, usage and designs are as of June 2026.
- The values of accuracy and precision are made with distilled water at room temperature 22°C-23°C.
- Specifications of instruments and optional accessories as well as the contents of the accessory sets are subject to change without notice.
- The products in this catalogue have been photographed without warning labels.
- Windows® is a registered trademark of American Microsoft Company. Pentium® is a registered trademark of American Intel Company.

Calibration and Maintenance Service

In order to maintain products in the best condition, we provide calibration service at JCSS accredited laboratory corresponding to international MRA.

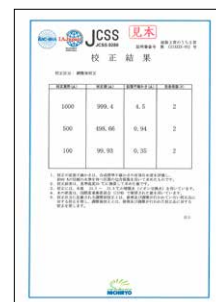
■Products which can be calibrated with JCSS, accreditation criteria.

・Nichipet Series ・NICHRYO Le

■Certificate of JCSS and MRA



■Ex. JCSS calibration certificate



Our calibration service center uses ISO/IEC 17025 (JIS Q 17025) as accreditation criteria and is accredited by JCSS which is operating an accreditation scheme in accordance with ISO/IEC 17025. The accreditation body (IA Japan) operating JCSS has signed Mutual Recognition Arrangement (MRA) of Asia Pacific Laboratory Accreditation Cooperation (APLAC) and International Laboratory Accreditation Cooperation (ILAC). Our calibration service center is a JCSS accredited laboratory corresponding to international MRA. The accreditation number of our calibration service center is JCSS0280.

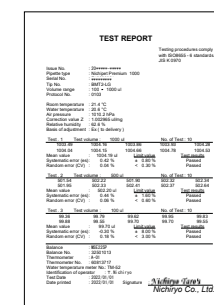
Quality Assurance System

Quality Assurance System and Product Management

Based on dispenser technology that has been cultivated since our establishment in 1944, the history of Nichiryo's pipettes started from the first micropipette "Justor" launched in 1975, and now it keeps evolving further as "Nichipet series" under ISO9001-based quality assurance system in addition to considerable technological and sales experiences.

Nichiryo is certified according to environmental management system standard ISO14001 of International Organization for Standardization.

Nichiryo is keenly aware that the global environment protection and the pollution prevention are the most important tasks through all business activities and incidental services, and we fulfill our responsibilities to the society and regions by environmental protection activities.



5-year Warranty *Nichipet*® Premium

1. The 5-year warranty is only valid when the 5-year warranty registration form is completed and returned to Nichiryo.
2. The 5-year warranty does not cover defects caused by excessive wear and tear or damage due to shipping, accident, abuse, misuse, or usage not in accordance with instruction manual, or damage caused by liquid permeation in the nozzle cone.
3. If you have any questions, please contact local distributor or Nichiryo. Following is contact information for Nichiryo, Japan.

e-mail : i-sales@nichiryo.co.jp

For registration, please fill this form for company you purchased.

Nichipet Premium
5-year warranty registration form

Warranty Period: For 5 years from the date of purchase

*Date of purchase: _____

Name of organization: _____

Division: _____

Contact person: _____

Address: _____

Tel.: _____ Fax: _____

e-mail: _____

Distributor: _____ Name/Address: _____ Tel.: _____

* This system warranty can be used for Nichipet Premium registered in a specific warranty registration form.

* This system warranty does not cover damage caused by excessive wear and tear or damage due to shipping, accident, abuse, misuse, or usage not in accordance with instruction manual, or damage caused by liquid permeation in the nozzle cone.

* Please refer any questions, please contact local distributor or Nichiryo.

Following is contact information for Nichiryo, Japan.

Nichiryo Co., Ltd. Tel.: +81-45-8881-1111
e-mail: i-sales@nichiryo.co.jp

NICHIRYO

* Above conditions are subject to change without any notice.

1. Quality Assurance System

Nichiryo is accredited with quality management system standard ISO 9001 (JIS Q 9001:2000) certification, and responsibly execute manufacturing and quality control of our products. We maintain our quality assurance system to the high level for our products and services that satisfies users.

2. Product Standard and Performance Test

Nichiryo a member of the drafting committee of Japan Industrial Standards JIS K 0970 (Piston operated micro-volumetric apparatus) for the standardization of pushbutton type pipettes enacted in 1989, Nichiryo develops pipettes based on this standard. In addition, the performance test by international standard ISO8655 (Piston operated volumetric apparatus) is executed by the customer's demand.



3. Traceability Management

Nichiryo guarantees the accuracy performance of products systematically with calibration traceability to clarify the accuracy of the measured value of Nichiryo's reference standard apparatus, such as the balances, weights, and thermometers, to agree with the national measurement standard. Nichiryo manages pipettes by the serial number, and to facilitate the traceability of them, we have constructed the consistent record system from manufacturing to repair in our company.



PIPETTE

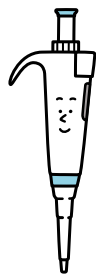
Among the world's lightest Micro Pipettes

Nichipet® Air

121°C
20min
Autoclavable



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



Nichipet Air
Mascot Character
Air-san



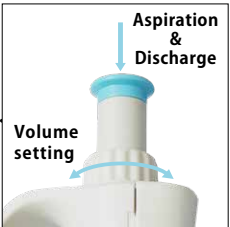
Volume adjustment by the exclusive jig is only have to set the volume into the scale marks.



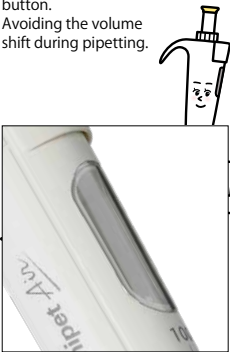
Up to 70% reduction in stroke load pressure compared with conventional models.



The shape to fit the hands based on the ergonomics.



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



The volume can be checked during pipetting.



One-touch removable and can be used for a thin test-tube.



The pipette volume (Cat. No.) is recognized in one glance by volume notation of 3 positions.

* This image is 20 µL

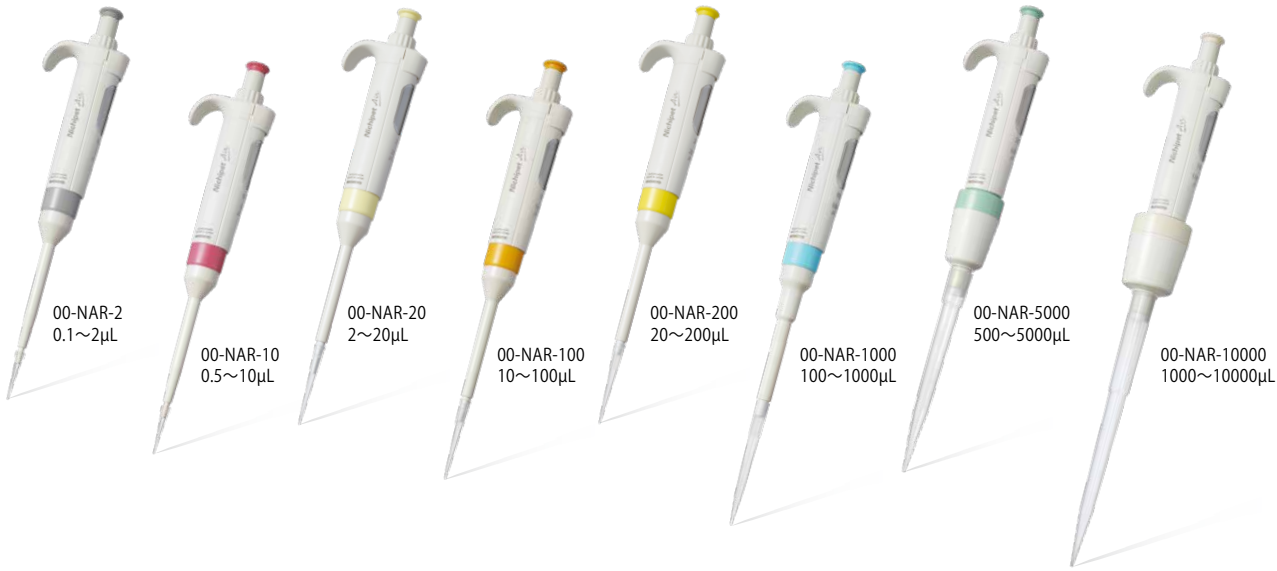
In order to discharge the set dispensing amount, maximum volume range of 2µL , 10µL and 20 µL have high-performance blow-out function.

【Parts List】

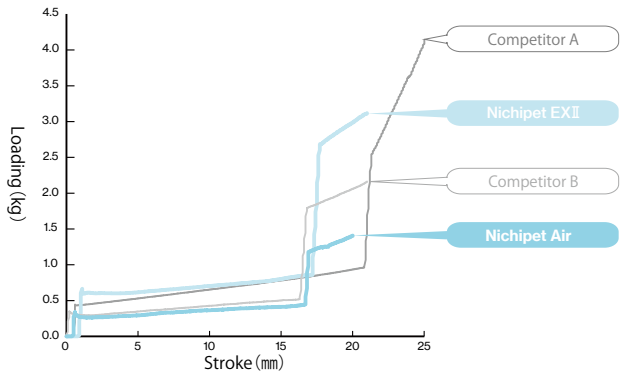


In order to reduce fatigue during long-term use, significant weight reduction and stroke load reduction have been achieved.

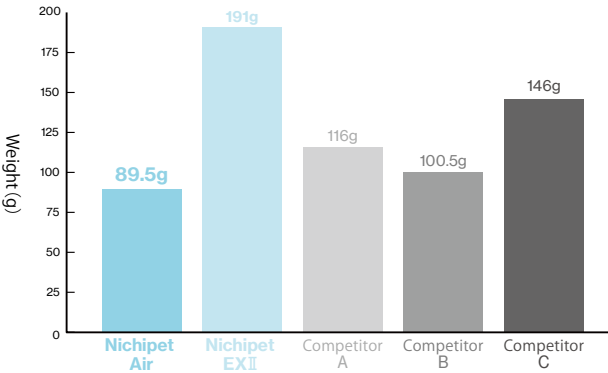
Product lineup (8 colors)



Stroke loading comparison with competitors (1000µL)



Weight comparison with competitors (10000µL)



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.23-25.
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. 23) , which are the recommended tips to ensure accuracy.

Accuracy and Precision

Cat. No	Volume(µL)	Accuracy (%)	Precision (%)	Cat. No	Volume(µL)	Accuracy (%)	Precision (%)
00-NAR-2 (Gray)	0.2	±12.0*	≤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

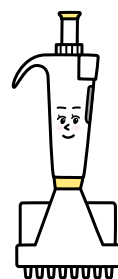
*Each accuracy and precision are the values which come from measuring with our compatible tip.

*The AC and CV of NAR-2 below 0.2 µL and NAR-10 below 1 µL depend on the sampling skill and the sampling condition where pipettes are used.

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.



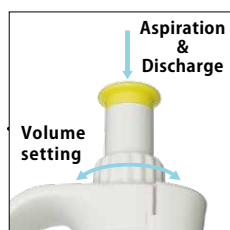
Nichipet Air -Multi Channel-
Mascot Character
Multi-san



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



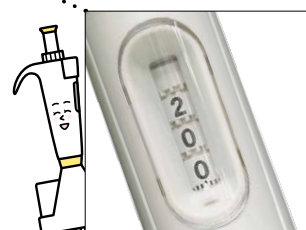
Up to 50% reduction in stroke load pressure compared with conventional models.



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.



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

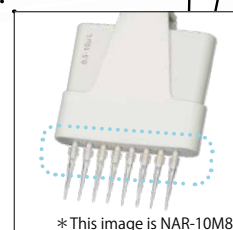


The pipette volume (Cat. No.) is recognized in one glance by volume notation of 4 positions.

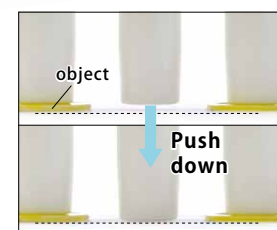
[Parts List]



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



*This image is NAR-10M8
In order to discharge the set dispensing amount, maximum volume range of 10 μ L have high-performance blow-out function.



This function improves attachment of the tips from the rack.

Product lineup (4 colors)

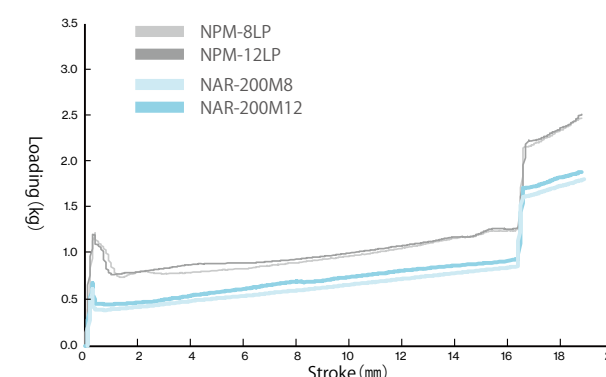


00-NAR-10M8 0.5~10 μ L
00-NAR-100M8 10~100 μ L
00-NAR-200M8 20~200 μ L
00-NAR-300M8 30~300 μ L

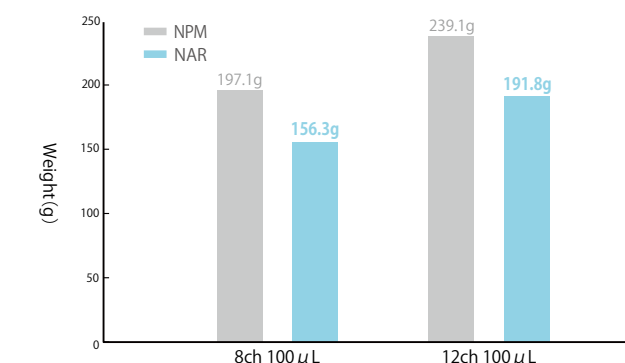


00-NAR-10M12 0.5~10 μ L
00-NAR-100M12 10~100 μ L
00-NAR-200M12 20~200 μ L
00-NAR-300M12 30~300 μ L

Stroke loading comparison in 'Nichipet' (200 μ L)



Weight comparison in 'Nichipet' (100 μ L)



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.23–25.
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. 23), 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(%)
10 μ L (00-NAR-10M8) (00-NAR-10M12)	1	$\pm 8.0^*$	$\leq 5.0^*$	200 μ L (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 μ L (00-NAR-100M8) (00-NAR-100M12)	10	± 3.0	≤ 2.0	300 μ L (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 μ L depend on the sampling skill and the sampling condition where pipettes are used.

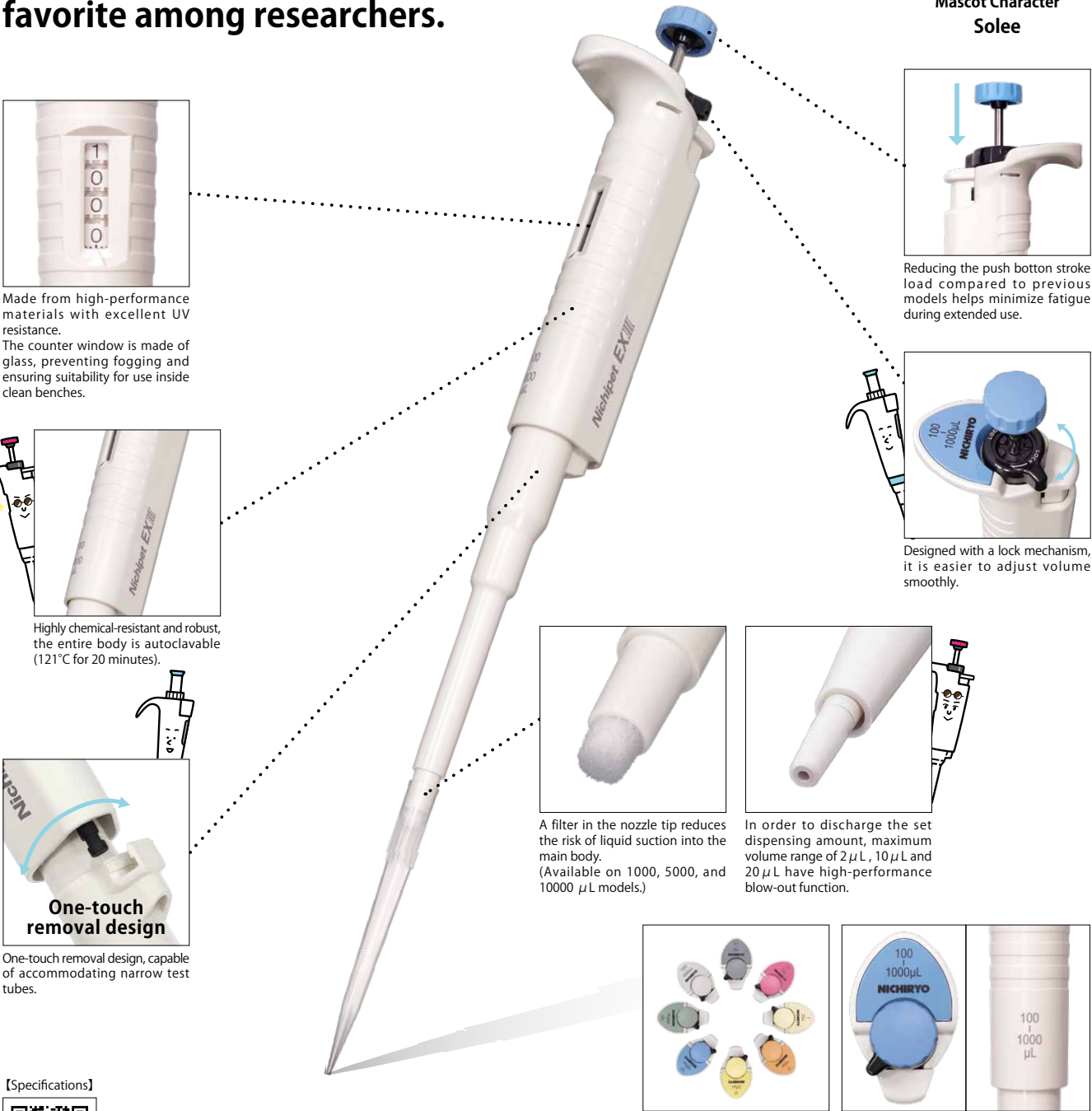
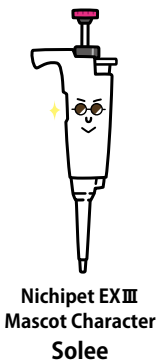
PIPETTE

Autoclavable Micro Pipette

Nichipet® EX III



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.



Reducing the push button stroke load compared to previous models helps minimize fatigue during extended use.



Designed with a lock mechanism, it is easier to adjust volume smoothly.



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.



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



In order to discharge the set dispensing amount, maximum volume range of 2 µL, 10 µL and 20 µL 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.23–25.
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)		500 – 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. 23), which are the recommended tips to ensure accuracy.

Accuracy and Precision

Cat. No	Volume(µL)	Accuracy(%)	Precision(%)	Cat. No	Volume(µL)	Accuracy(%)	Precision(%)
00-NPX3-2	0.2	±12.0*	≤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	±2.5*	≤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 µL and NPX3-10 below 1 µL depend on the sampling skill and the sampling condition where pipettes are used.

PIPETTE

Autoclavable Micro Pipette

Nichipet® Premium

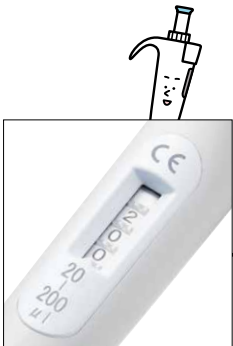
The 5-year warranty is proof of high durability.

5-year warranty

UV
Resistance

121°C
20min
Autoclavable

CE

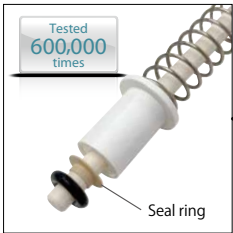


Enlarged and easy to read counter display for volume setting.



ceramic plunger

Non corrosive ceramic used in the plunger.(100μL – 10000μL)



Seal ring

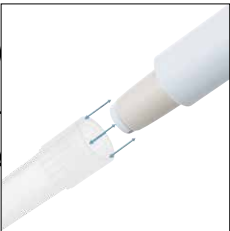
Seal ring for the Premium is tested dispensing / aspirating 600,000 times.
Non-greased plunger makes it easy to maintain. (2μL – 200μL)
The test was conducted by Nichiryo.
The test result may vary with condition of usage.



New material used for 4 notch-lock improves its strength, which minimizes the lever shift from the original position.



Materials used for pipette body have high tolerance to solvents and drop impact.



Nozzle top has highly abrasion tolerant. (2μL – 1000μL)

Specifications

Cat. No	Volume Setting	Volume range(μL)	Increments(μL)	Usable tips
00-NPP-2	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.23–25.
00-NPP-10		0.5 – 10	0.01	
00-NPP-20		2 – 20	0.02	
00-NPP-100		10 – 100	0.1	
00-NPP-200		20 – 200	0.2	
00-NPP-1000		100 – 1000	1	
00-NPP-5000		1000 – 5000	10	
00-NPP-10000		1000 – 10000	10	
				00-BMT2-Z, 00-BMT2-ZR, 00-BMT2-ZRB

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

Accuracy and Precision

Cat. No	Volume(μL)	Accuracy (%)	Precision (%)	Cat. No	Volume(μL)	Accuracy (%)	Precision (%)
00-NPP-2	0.2	±12.0*	≤6.0*	00-NPP-200	20	±1.0	≤0.5
	1	±5.0	≤2.5		100	±0.8	≤0.3
	2	±3.0	≤1.0		200	±0.8	≤0.2
00-NPP-10	1	±4.0*	≤3.0*	00-NPP-1000	100	±1.0	≤0.5
	5	±1.0	≤1.0		500	±0.8	≤0.3
	10	±1.0	≤0.5		1000	±0.7	≤0.2
00-NPP-20	2	±5.0	≤3.0	00-NPP-5000	1000	±1.0	≤0.3
	10	±1.0	≤1.0		2500	±0.8	≤0.3
	20	±1.0	≤0.4		5000	±0.6	≤0.2
00-NPP-100	10	±2.0	≤1.0	00-NPP-10000	1000	±2.0	≤0.4
	50	±1.0	≤0.3		5000	±0.8	≤0.3
	100	±0.8	≤0.3		10000	±0.4	≤0.2

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

Pipette stand

● Images of the stands are for reference only. Micropipettes are not part of the package.



● Multi Rotary Stand

Cat No.	00-MLT-STD3
Storing capacity	Single-channel 6pcs / Multi-channel 3pcs
Material	ABS resin
Size	φ180 (Max diameter) × 312Hmm
Compatible models*	Nichipet EX III Nichipet Premium Nichipet Premium LT* Nichipet EX II* Nichipet EX II MULTI* Nichipet EX Plus II

* This product has been discontinued.



● Wall-Mounted Stand

Cat No.	00-NLE-STD
Storing capacity	1pc
Material	ABS resin
Compatible models	Nichipet EX III Nichipet Premium Nichipet Premium LT* Nichipet EX II* Nichipet EX Plus II NICHIRYO Le

● This stand can be attached to a wall using double-sided tape or screws.
* This product has been discontinued.

[Parts List]



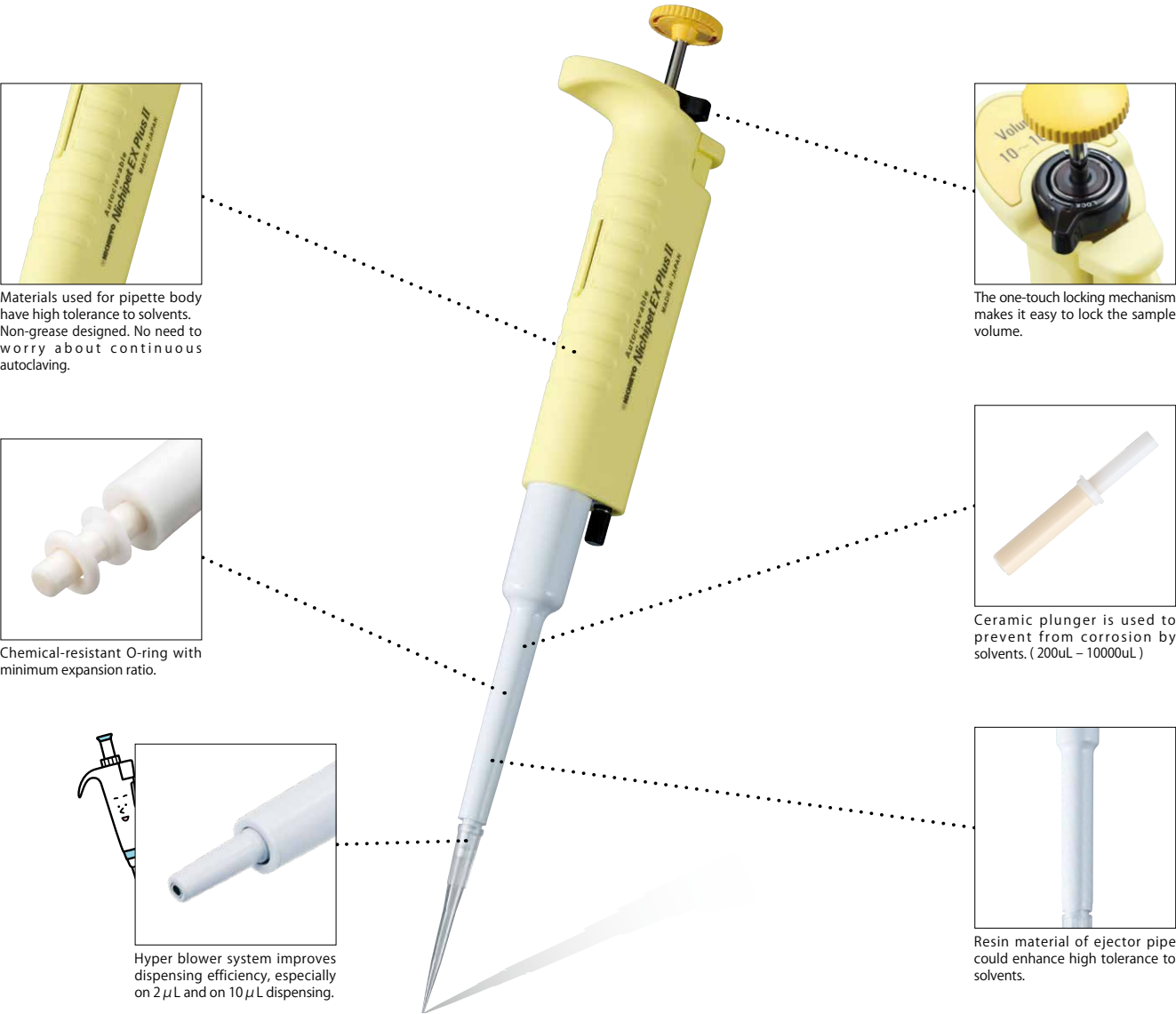
- Since the volume indicator is made of glass, ultraviolet germicidal of the clean bench will not make it cloud.
- From prolonged irradiation, the surface layer of plastic may deteriorate or discolor, but its performance is not affected.

PIPETTE

Solvent Resistant Nichipet EX II

Nichipet® EX Plus II

Chemical Resistant Model of Nichipet Series



[Parts List]



- Advanced durability against organic solvent dispensing.
 - ▷PTFE (Fluorine resin) in the air tight chamber of the instrument.
 - ▷A Perfluoro rubber O-ring with low cubical expansion in the air tight parts.
 - ▷All models have plungers made in materials resistant to organic solvents.

- 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.

Specifications

Cat. No	Volume setting	Volume range(μL)	Increments (μL)	Usable tips
00-NPLO2-2	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.23–25.
00-NPLO2-10		0.5 – 10	0.01	
00-NPLO2-20		2 – 20	0.02	
00-NPLO2-100		10 – 100	0.1	
00-NPLO2-200		20 – 200	0.2	
00-NPLO2-1000		100 – 1000	1	
00-NPLO2-5000		1000 – 5000	10	
00-NPLO2-10000		1000 – 10000	10	
				00-BMT2-Z, 00-BMT2-ZR, 00-BMT2-ZRB

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

Accuracy and Precision

Cat. No	Volume(μL)	Accuracy(%)	Precision(%)	Cat. No	Volume(μL)	Accuracy(%)	Precision(%)
00-NPLO2-2	0.2	±12.0*	≤6.0*	00-NPLO2-200	20	±1.0	≤0.5
	1	±5.0	≤2.5		100	±0.8	≤0.3
	2	±3.0	≤1.0		200	±0.8	≤0.2
00-NPLO2-10	1	±4.0*	≤3.0*	00-NPLO2-1000	100	±1.0	≤0.5
	5	±1.0	≤1.0		500	±0.8	≤0.3
	10	±1.0	≤0.5		1000	±0.7	≤0.2
00-NPLO2-20	2	±5.0	≤3.0	00-NPLO2-5000	1000	±1.0	≤0.3
	10	±1.0	≤1.0		2500	±0.8	≤0.3
	20	±1.0	≤0.4		5000	±0.6	≤0.2
	10	±2.0	≤1.0	00-NPLO2-10000	1000	±2.0	≤0.4
00-NPLO2-100	50	±1.0	≤0.3		5000	±0.8	≤0.3
	100	±0.8	≤0.3		10000	±0.4	≤0.2

- *Each accuracy and precision are the values which come from measuring with our compatible tip.
- *The AC and CV of NPLO2-2 below 0.2 μL and NPLO2-10 below 1 μL depend on the sampling skill and the sampling condition where pipettes are used.
- *The Nichipet EX Plus II is made of parts resistant to organic solvents which makes it more durable than previous pipettes in environments with organic solvents. However, it does not guarantee accuracy of dispensing organic solvents.
- *As the body of the Nichipet EX Plus II is not resistant to organic solvents, make sure it does not come in contact with the organic solvents.

The chemical resistance of Perfluoro rubber O-ring

▷The volume growth of Perfluoro rubber against acid, alkalis, ammonia water, ester, furan and amine is small.

A : Volume expansion rate below 5%	No problem at all
B : Volume expansion rate 5% - 20%	No problem
C : Volume expansion rate 20% - 50%	Possible with some conditions
D : Volume expansion rate over 50%	Nonusable

Chemicals	Temperature	Test days	Perfluoro	Fluorine rubber normal O-ring	Chemicals	Temperature	Test days	Perfluoro	Fluorine rubber normal O-ring
Inorganic acid & Organic acid					Ketone, Ester, Ether				
Glacial acetic acid	40°C	21	A	C	Acetone	40°C	21	B	D
Acetic anhydride	40°C	21	A	C	Methyl ethyl ketone	40°C	21	A	D
Inorganic alkalies					Methyl isobutyl ketone	40°C	21	B	D
28% Ammonia water	40°C	21	A	D	Isophorone	40°C	21	A	D
Furan & Aldehyde					Diacetone alcohol	40°C	21	A	C
Tetrahydrofuran	40°C	21	C	D	gamma - Butyrolactone	40°C	21	A	C
2-Methyl Tetrahydrofuran	40°C	21	B	D	Diethylene carbonate	40°C	21	A	D
Acetaldehyde	25°C	21	B	D	Acetylacetone	40°C	21	A	D
Acetophenone	40°C	21	A	C	Methyl formate	25°C	21	B	D
Inclusive nitrogen compound					Methyl acetate	40°C	21	A	D
Acrylic nitrile	40°C	21	A	C	Acetic ether	40°C	21	B	D
Ethylene diamine	40°C	21	B	D	Isoamyl acetate	40°C	21	A	D
Pyridine	40°C	21	A	C	Methyl acetoacetate	40°C	21	A	C
N,N - dimethylformamide	40°C	21	A	D	Ethyl acetoacetate	40°C	21	A	C
N,N - dimethylacetamide	40°C	21	A	D	Acrylic acids	40°C	21	A	C
N-methyl-2-pyrrolidone	100°C	7	A	D	Ethyl acrylate	40°C	21	A	D
Carbon hydride, Carbon hydride halide					Diethyl oxalate	40°C	21	A	D
Toluene	40°C	21	A	B	Triethyl phosphate	40°C	21	A	D
Xylene	40°C	21	A	B	Tricresyl phosphate	100°C	7	A	C
Chloroform	40°C	21	B	B	Diethyl ether	25°C	21	B	C
Alcohols					1, 4 - dioxan	40°C	21	A	C
Methyl carbitol	40°C	21	A	B	Methyl - t - butyl ether	100°C	7	A	C
Ethyl carbitol	40°C	21	A	B	* For more information, please feel free to contact us.				
Others, Oil, Steam									
DN cut HS-1 cutting oil	130°C	11	A	A					
O-148LCT Air craft engine oil	175°C	20	A	B					

PIPETTE

Light & Ergonomic Pipette

NICHIRYO *Le*

Light weight and easy to use
even for first-time users.

- The enlarged and stream lined grip fits well with your fingers and can be kept firmly in hand and used with much less stress.
- The user-friendly and enlarged push-button can be pressed easily and used for a long time with less risk of RSI.
- The enlarged push button makes it easy to set the volume and there is no need to lock the dial for immediate operation.



Glass Tip Pipette

Nichipet[®] *ECO*

Eco-friendly glass tips suitable
for "Environmental Hormone" research.

- The accuracy and precision of a micropipette with the stability and reliability of glass tips.
- The glass tip enables bias free liquid handling for endocrine disruptor's analysis.
- Four different sizes covering a wide volume range. (20μL – 10000 μL)
- Glass tip is secured to the unit with a double O-ring design.
- Comes with a PTFE nozzle and ceramic piston.



Glass Tip



【Parts List】



Specifications

Cat. No	Volume setting	Volume range(μL)	Increments (μL)	Usable tips
00-NLE-10	Digital setting	0.5 – 10	0.02	Any Nichiryo tips can be used as long as the volume matches. For product details, please see p.23–25.
00-NLE-20		2 – 20	0.02	
00-NLE-100		10 – 100	0.2	
00-NLE-200		20 – 200	0.2	
00-NLE-1000		100 – 1000	2	

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

Accuracy and Precision

Cat. No	Volume(μL)	Accuracy(%)	Precision(%)	Cat. No	Volume(μL)	Accuracy(%)	Precision(%)
00-NLE-10	1	± 6.0*	≤ 5.0*	00-NLE-200	20	± 1.2	≤ 1.0
	5	± 2.0	≤ 2.0		100	± 1.0	≤ 0.8
	10	± 1.2	≤ 0.8		200	± 0.8	≤ 0.6
00-NLE-20	2	± 5.0	≤ 3.0	00-NLE-1000	100	± 1.2	≤ 0.8
	10	± 2.0	≤ 2.0		500	± 1.0	≤ 0.6
	20	± 1.2	≤ 0.8		1000	± 0.7	≤ 0.5
00-NLE-100	10	± 2.0	≤ 1.0	*Each accuracy and precision are the values which come from measuring with our compatible tip. *The AC and CV of NLE-10 below 1 μL depend on the sampling skill and the sampling condition where pipettes are used.			
	50	± 1.2	≤ 0.8				
	100	± 1.0	≤ 0.6				

【Specifications】



Specifications

Cat. No	Volume range(μL)	Increment(μL)	Accuracy(%)	Precision(%)	Usable tips
00-NPC-200	20 – 200	0.2	± 6.0 – ± 3.0	≤ 6.0 – ≤ 3.0	Glass Tip S
00-NPC-1000	100 – 1000	1.0	± 5.0 – ± 3.0	≤ 5.0 – ≤ 3.0	Glass Tip L
00-NPC-5000	1000 – 5000	10.0	± 5.0 – ± 3.0	≤ 5.0 – ≤ 3.0	Glass Tip X
00-NPC-10ML	1000 – 10000	50.0	± 6.0 – ± 3.0	≤ 6.0 – ≤ 3.0	Glass Tip Z

● Glass tips

Cat. No	Volume range(μL)	Q'ty(box)
00-GLT-S	20 – 200	10
00-GLT-L	100 – 1000	10
00-GLT-X	1000 – 5000	10
00-GLT-Z	1000 – 10000	10

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.

Pipette Controller

Pipette Mate *NEO*



- User Friendly pipette controller, 167g only
- Long-life Lithium Ion battery is installed.
About 1700 times dispensing are possible by full charge (4 hours).
- Dial-typed adjustable speed controller for your choice.
- UV resistant for clean bench work.
- Self- standing type without holder.
- Fully autoclavable spare parts.
(Nosecone, Sylicon Holder, and Filter)



[Specifications]



Specifications

Cat. No	Description
00-PMNEO	Pipette Mate NEO
Batteries	Lithium Ion (3.6V, 600mAh)
Charger	100/240V 50/60Hz, 0.2A
Filter	20mm×0.2μm (Hydrophobic)
Pipette Types	Plastic or glass from 1 to 100mL * Plastics and glass pipettes not sold by Nichiryo

Cat. No	Description
00-PM-N005	Head fitting
00-PM-N013	Tube holder
00-PM-N100	Filter, 0.2μm
00-PM-N024	Travel charger 5V US
00-PM-N030	Travel charger base unit
00-PM-N025	Travel charger UK adaptor*
00-PM-N026	Travel charger AU adaptor*
00-PM-N027	Travel charger EU

* UK and AU adaptors need a travel charger base unit.

Variable Repetitive Syringe Dispenser

Nichimate Stepper

[Specifications]



- 40 variations of dispensing are enabled by 8 syringes and 5 stages.
- Suitable for dispensing viscose liquids due to the positive displacement system.
- Sterilized syringes are also available.
- Syringe is made of PP and Piston is of PE. (Piston for NS-V is made of stainless.)

Specifications

Cat. No	Product name
00-NSTP	Nichimate Stepper

Accuracy and Precision

syringe	dial No	1	2	3	4	5	Accuracy(%)	Precision(%)
00-NS-V	0.05mL	1μL	2μL	3μL	4μL	5μL	± 5.0	≤ 8.0
00-NS-S	0.5mL	10μL	20μL	30μL	40μL	50μL	± 1.7	≤ 1.8
00-NS-M	1.25mL	25μL	50μL	75μL	100μL	125μL	± 1.6	≤ 2.1
00-NS-N	2.5mL	50μL	100μL	150μL	200μL	250μL	± 1.2	≤ 1.7
00-NS-L	5mL	100μL	200μL	300μL	400μL	500μL	± 2.0	≤ 2.4
00-NS-X	12.5mL	250μL	500μL	750μL	1000μL	1250μL	± 1.1	≤ 1.7
00-NS-Y	25mL	0.5mL	1mL	1.5mL	2mL	2.5mL	± 1.2	≤ 1.2
00-NS-Z	50mL	1mL	2mL	3mL	4mL	5mL	± 1.5	≤ 1.7
Maximum number of dispenses		48	23	15	11	8		

* NS-V requires use of BMT2-UT tips. NS-Y/Z requires use of NS-ADP adaptor. Syringes are disposable.



Hand-held Dispenser

MODEL 2100DG

[Specifications]



- Dispensing from most types of liquid containers is possible.
- Easy to use with fixed volume adjustment
- Light weight design for one-hand operation
- The glass cylinder and plunger are protected by plastic housings.

Specifications

Cat. No	Volume range(mL)	Increment(mL)	Volume readout
00-21DG-1	0.2 – 1.0	0.01	0/20 – 1/00
00-21DG-2	0.4 – 2.0	0.01	0/40 – 2/00
00-21DG-5	1.0 – 5.0	0.02	1/00 – 5/00
00-21DG-10	2.0 – 10.0	0.1	02/0 – 10/0

* Liquid contact parts ; PTFE, Tygon®, Polypropylene, Pyrex® Glass, Ceramic and Platinum Iridium.

Accuracy and Precision

± 1.0% / ≤ 0.2%



Variable Volume Bottle Dispenser

ACCUPENSER JR.121°C
20min
Autoclavable

- The Post with scale can be laid down without altering volume settings.
- The precision parts of the glass are constructed and protected on the inside.
- The liquid contact parts are chemically resistant.
- The parts can easily be dismantled and changed.
- Liquid can be added with the funnel without changing the setting of the device.
- The extension tube with tip allows dispensing to be done without moving the device or sample bottle. Please use a PTFE (Fluorine resin) tube set with tip (sold separately) for strong acids and organic solvents.
- Autoclavable without disassembling
- The wetted parts are chemically resistant.
Borosilicate glass, Glass, fluorocarbon polymers

*Tube: Glass, Silicon



Specifications

Cat. No	Volume range (mL)	Increment (mL)	Accuracy (%)	Precision (%)	Size of provided bottle	Width (mm) × high (mm)
00-AJ-1	0.2 – 1	0.05	±1.0	≤0.1	250mL	75 × 210 (165)
00-AJ-2	0.4 – 2	0.1	±1.0	≤0.1	250mL	75 × 210 (165)
00-AJ-5	1 – 5	0.1	±1.0	≤0.1	500mL	100 × 210 (165)
00-AJ-10	2 – 10	0.25	±1.0	≤0.1	1L	146 × 210 (165)

*The bottle has threads compatible with 500mL and 1L bottles for free combinations. () indicates the height when the scale post is lying down.

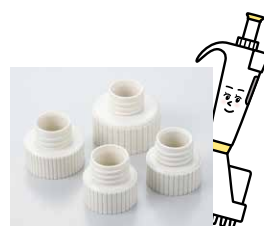
Variable Volume Bottle-top Dispenser

DISPET

[Dimensional drawing]



- Can be attached directly to all standard reagent bottles.
- Comes with an adapter (ø22mm) for direct attachment to smaller reagent bottles. (100mL >) (not DP-5 and DP-10)
- Light weight and compact design for easy handling.
- Liquid contact parts are chemically resistant material.
- Extra tube (220mm) is included and can be cut into a more convenient size.
- The wetted parts are chemically resistant.
Borosilicate glass, fluorocarbon polymers, Ceramic, Platinum-Iridium



Specifications

Cat. No	Volume range (mL)	Increment (mL)	Accuracy (%)	Precision (%)	Amber bottle (option)	Width (mm) × high (mm)
00-DP-1	0.2 – 1	0.05	±1.0	≤0.2	200mL	59 × 255
00-DP-2	0.4 – 2	0.1	±1.0	≤0.2	200mL	59 × 255
00-DP-5	1 – 5	0.1	±1.0	≤0.2	350mL	66 × 290
00-DP-10	2 – 10	0.25	±1.0	≤0.2	1L	98 × 350

*The threads for all bottle sizes are the same.

*Please add "B" at the end of Cat.No when a bottle is needed.

Adapter

Cat. No	Size	Cat. No	Size	Cat. No	Size
DP-1118	18mm	DP-1124	24mm	DP-1133	33mm
DP-1119	19mm	DP-1125	25mm	DP-1138	38mm
DP-1122	22mm	DP-1128	28mm	DP-1145	45mm

Autoclavable Bottle-top Dispenser

DISPET EXII

[Specifications]

121°C
20min
Autoclavable

- Autoclavable (121°C for 20 minutes)
- 3 sized adapters for fitting with various types of bottles.
- Chemical resistant materials are used for liquid contact parts.
- Adjustable Inlet tube for various types of bottles.
- Liquid returning mechanism for minimizing the waste of reagents.
- The wetted parts are chemically resistant.
Borosilicate glass, fluorocarbon polymers, Ceramic, Platinum-Iridium



Specifications

Cat. No	Volume range (mL)	Increment (mL)	Accuracy (%)	Precision (%)	Thread	Attached adapters
00-DPX2-20	0.2 – 2.0	0.05	±0.5	≤0.1	GL-45	GL-28, GL-32, GL-38
00-DPX2-50	0.5 – 5.0	0.1	±0.5	≤0.1		
00-DPX2-100	1.0 – 10.0	0.2	±0.5	≤0.1		
00-DPX2-250	2.5 – 25.0	0.5	±0.5	≤0.1		
00-DPX2-500	5.0 – 50.0	1	±0.5	≤0.1		
00-DPX2-1000	10.0 – 100.0	2	±0.5	≤0.1		

Adapter

Cat. No	Size	Cat. No	Size
00-DPX-003A	32 / 28mm	00-DPX-003C	45 / 38mm
00-DPX-003B	45 / 32mm	00-DPX-003D	45 / 40mm

*Numbers right side of "/" are caliber size of the bottles.

Bottle-top Dispenser

DISPET Mini

[Specifications]



- Suitable for repetitively micro volume dispensing.
- Light and compact model for easy-to-carry-out.
- Chemical resistant materials are used for liquid contact parts.
- The wetted parts are chemically resistant.
Borosilicate glass, fluorocarbon polymers, Platinum-Iridium

*Bottles are available as optional parts.



Specifications

Cat. No	Volume range (μL)	Accuracy (%)	Precision (%)	Thread
00-DPM-250	100 / 250	±2.0	≤0.4	GL-28
00-DPM-1000	500 / 1000	±1.0	≤0.2	GL-28

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



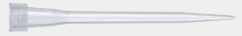
121°C
20min
Autoclavable

Endotoxin
FREE

DNase/RNase
FREE

[Except X/Z/ZS]

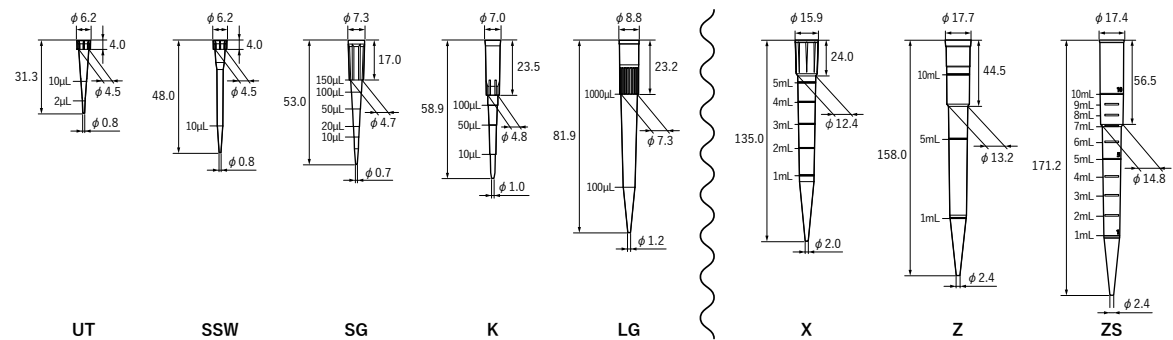
Specifications

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-UTWR2	Racked tip			960pcs (96pcs×10 ^{1/2})	NPX3-2, 10 / NPP-2 / NLT-2
		00-BMT2-UTWRB2	Racked tip (sterilized)				NPX2-2 / NPLO-NPLO2-2
SSW		00-BMT2-SSW	Bulk tip	0.5~10		1,000pcs	NPX3-2, 10
		00-BMT2-SSWR2	Racked tip			960pcs (96pcs×10 ^{1/2})	NPP-10 / NLT-10 / NPX3-10
		00-BMT2-SSWRB2	Racked tip (sterilized)				NPX2-10 / NPLO-NPLO2-10
SG		00-BMT2-SG	Bulk tip	2~200		1,000pcs	NLE-10 / NPF2-10
		00-BMT2-SGR2	Racked tip				NAR-20, 100, 200 / NAR-100M8, 100M12, 200M8, 200M12
		00-BMT2-SGRB2	Racked tip (sterilized)			960pcs (96pcs×10 ^{1/2})	NPX3-20, 100, 200 / NPP-20, 100, 200 / NLT-20, 100, 200
K		00-BMT2-K	Bulk tip	30~300		1,000pcs	NPX2-20, 100, 200 / NPLO2-20, 100, 200
		00-BMT2-KR2	Racked tip			960pcs (96pcs×10 ^{1/2})	NLE-20, 100, 200 / NPF2-20~200
		00-BMT2-KRB2	Racked tip (sterilized)				NPV2-S, M / NPM-8S, 8L, 12S, 12L
LG		00-BMT2-LG	Bulk tip	100~1000		1,000pcs	NAR-300M8, 300M12
		00-BMT2-LGR2	Racked tip			960pcs (96pcs×10 ^{1/2})	NPM-8K, 12K
		00-BMT2-LGRB2	Racked tip (sterilized)				NAR-1000 / NPX3-1000
X		00-BMT2-X	Bulk tip	1000~5000		200pcs	NPP-1000 / NLT-1000
		00-BMT2-XR	Racked tip			100pcs (50pcs×2 ^{1/2})	NPX2-1000 / NPLO2-1000
		00-BMT2-XRB	Racked tip (sterilized)				NLE-1000 / NPF2-500, 1000 / NPV2-L
Z		00-BMT2-Z	Bulk tip	1000~10000		200pcs	NAR-5000 / NPX3-5000
		00-BMT2-ZR	Racked tip			80pcs (40pcs×2 ^{1/2})	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 ^{1/2})	NPP-10000
		00-BMT2-ZSRB	Racked tip (sterilized)				NPX2-10000

*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)



Standard Tip

NichimateAQUA Tip



Refill tip

Bulk tip

Rack

Bulk tip, Refill tip

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

121°C
20min
Autoclavable

Endotoxin
FREE

DNase/RNase
FREE

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
		00-AQA-N200	Bulk tip	1,000pcs
200 μL	53.0mm	00-AQA-N200-RF	Refill tip	960pcs (96pcs×5stacks×2)
		00-AQA-N1000	Bulk tip	1,000pcs
1000 μL	81.9mm	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.

121°C
20min
Autoclavable

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 series

Endotoxin
FREE

DNase/RNase
FREE



10μL

10μL (Long)

200μL

1000μL

	Type	Length	Cat No.	Specification	Q'ty(box)
Non-Filtered	10 μL	32mm	00-MRN-10RB	Racked tip	960pcs (96pcs×10's)
	10 μL (Long)	46mm	00-MRN-10LRB		
	200 μL	51mm	00-MRN-200RB		
	1000 μL	88mm	00-MRN-1000RB		
Filtered	10 μL	32mm	00-MRN-F10RB		
	10 μL (Long)	46mm	00-MRN-F10LRB		
	20 μL	51mm	00-MRN-F20RB		
	100 μL		00-MRN-F100RB		
	200 μL		00-MRN-F200RB		
	300 μL		00-MRN-F300RB		
	1000 μL	60mm	00-MRN-F1000RB		
		88mm	00-MRN-F1000RB		

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

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

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).

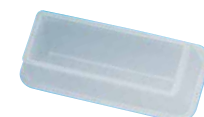


- Cat. No 00-MLT-STD3
 Storing capacity ... 6pcs
 Compatible models ... Nichipet EX III
 Nichipet Premium
 Nichipet premium LT*
 Nichipet EX II*
 Nichipet EX Plus II
 Nichiryo Le
 Nichipet EX II MULTI*



- 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



Compact size Dispensing workstation

NichiMart CUBE

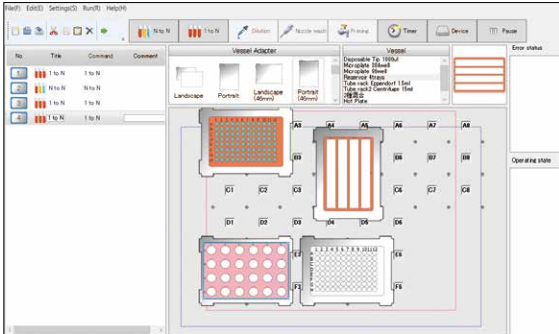
Compact size,
ideal for automation of
small applications.

- Replaceable dispensing nozzle sets can be used for various purposes.It is also possible to exchange to a multichannel nozzle unit as an option.
- Two types of dispensing methods, the disposable tip and the cleaning type nozzle unit are possible.
- NichiMasterCUBE, software for creating protocols and system adjustments, is included as standard accessories.
- With the multi-position deck linked with software, it is easy to create and modify protocols by intuitive operation.
- Error handling functions such as detections of liquid level and clogging are installed.
- I/O port for external devices connection is equipped.
- It corresponds to 384 well plate dispensing.
Disposable tips to be used have compatibility with other Nichiryo products.
- Compatibility with Windows® 10/11(64-bit)



Feature 1 Protocols can be fully created and modified without restriction

The Nichimart CUBE with software for creating protocols. Protocols can be easily created and modified by combining vessel adaptors with multiple positions in the work deck. When the container is placed at the specified position on the work deck, it instantly determined the coordinates. In addition to various microplates, non-standard containers can be additionally registered.



*Needs to be connected with PC.
No memory functions incorporated on the main body.

Feature 3 Replaceable nozzle sets

The Nichimart CUBE comes with a standard 200μL nozzle. It can be replaced by either 30μL, 1000μL or 1200μL nozzle unit. 8 channel nozzle unit and Cleaning nozzle unit are also available as an option.

Standard	•200 μL nozzle unit
Option	•30 μL nozzle unit •1000 μL nozzle unit •1200 μL nozzle unit •8channel unit (220 μL) •Cleaning nozzle unit 1) Syringe type pump unit 2) Single cleaning probe 3) Wash bowl *3 Necessary items as a set available for using cleaning nozzle.



Feature 2 Detection of liquid level and liquid clogging

Liquid level and clogging can be detected by real time communication control with an error message.



Feature 4 Equipped with I/O port for external device connection

Standard built-in I/O port, on/off of external devices such as plate shaker, plate heater and vacuum pump, etc. can be controlled. By this feature, various applications can be automated. It also supports serial communication control RS-232C as an option.

Specifications

Cat. No	00-NMT-CUBE		
Standard accessories	Dispensing head: 200μL nozzle unit, Vessel adapter(6 pcs), NichiMart CUBE(control software), Eigenvalue data, Power cable, User's manual		
Dimension to Install	600mm(W)×590mm(D)×575mm(H) (without PC)		
Work deck dimension	350mm(X)×300mm(Y)×140mm(Z)		
Capacity	Max. 7 pcs (microplate) (depend on a dispense head)		
Nozzle Unit	Standard:200 μ L / Option:30 μ L,1000 μ L,1200 μ L,8channel ,Cleaning nozzle		
Nozzle Unit Volume range	30μL	3~30μL	Minimum Settable Volume: 1μL Maximum Settable Volume: Maximum dispensing volume of the nozzle head The cleaning nozzle volume range corresponds to the total range of the 4 syringe pumps (1, 2.5, 5, and 10 mL).
	200μL	20~220μL	
	1000μL	100~1000μL	
	1200μL	100~1200μL	
	8channel	20~220μL	
	Cleaning nozzle	100μL~10mL	
	2mL	200~2000μL	
Weight	Approx. 45kg (without PC)		
Power source	AC100~240V、50/60Hz、150VA (Power consumption varies by system configurations.)		
PC spec	Windows® 10/11 (64-bit)、USB port		

* PC with above specification required to create protocol and adjust system. *All company names, product names, and technology names mentioned are trademarks or registered trademarks of their respective owners.

Option

Cat. No	Name	Remarks	Cat. No	Name	Remarks
00-CUBE-001	Vessel for 1200μL tips	For Long clean tips	00-CUBE-010	Wash bowl	—
00-CUBE-002	Tip eject box	—	00-CUBE-012	30μL nozzle unit	Accuracy warranty coverage : 3-30μL
00-CUBE-003	Vessel adapter	Standard component	00-CUBE-013	200μL nozzle unit	Accuracy warranty coverage : 20-200μL
00-CUBE-004	16Φ Tube rack	Capacity : 24pcs	00-CUBE-014	1000μL nozzle unit	Accuracy warranty coverage : 100-1000μL
00-CUBE-005	13Φ Tube rack	Capacity : 24pcs	00-CUBE-015	1200μL nozzle unit	Accuracy warranty coverage : 100-1200μL
00-CUBE-006	15mL Centrifuge tube rack	Capacity : 24pcs	00-CUBE-016	8 channel nozzle unit (220μL)	Accuracy warranty coverage : 20-220μL
00-CUBE-007	50mL Centrifuge tube rack	Capacity : 6pcs	00-CUBE-017	Cleaning nozzle set	—
00-CUBE-008	Microtube rack	1.5mL, 24pcs	00-CUBE-023	Temperature control unit A	—
00-CUBE-009	Exclusive cart	Rollaway	00-CUBE-024	2mL nozzle set	—

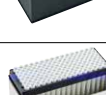
* Syringe pump unit (available in 1, 2.5, 5, 10, and 25 mL) Includes a single washing probe and a wash bowl.

Accuracy and Precision

Nozzle Unit	Volume(μ L)	AC(%)	CV(%)	Nozzle Unit	Volume(μ L)	AC(%)	CV(%)
200μL	20	±3.0	≤1.0	8channel (200 μ L)	20	±3.0	≤1.0
	200	±0.8	≤0.5		200	±0.8	≤0.5
1000μL	100	±3.0	≤1.0	Cleaning nozzle Unit	Full stroke	≤1.0	≤0.2
	1000	±0.8	≤0.5		200	±3.0	≤1.0
1200μL	120	±3.0	≤1.0	2mL	2000	±0.8	≤0.5
	1200	±0.8	≤0.5				

* Accuracy (es) and Precision (CV) values were measured using the compatible tips listed below.

Tip for robot systems

	Cat. No	Name	Volume(μL)	Contents	Nozzle Unit
	00-HT-F30R	Racked tip for robotic system	3~30μL	3840 (384×10racks)	30μL
	00-HT-F30RB	Racked tip for robotic system (sterilized)			
	00-HT-FS	Bulk tip for robotic system	10~220μL	1000	200 μ L, 8channel
	00-HT-FSR	Racked tip for robotic system	10~220μL	960 (96×10racks)	
	00-HT-FSRB	Racked tip for robotic system (sterilized)			
	00-CT-MR	Clean tip M (filtered,sterilized)			
	00-HT-KL	Bulk tip for robotic system	100~1000μL	1000	1000μL
	00-HT-KLR	Racked tip for robotic system		960 (96×10racks)	
	00-HT-KLRB	Racked tip for robotic system (sterilized)			
	0N-CAP-100-010	Long clean tip (filtered,sterilized)	100~1200μL		1200μL
	00-LCT-LL	Long clean tip (Filtered, sterilized)	200~2000μL	480 (48×10racks)	2mL

Custom-Made products

Custom-made Pipettes

- Talk to us when you wish to have pipettes or molding products that you cannot find in the market.
- Full Turnkey Contract starting from planning, developing, manufacturing and maintaining products will be possible.
- Modification to our existing product is also welcomed.
- Our custom-made molding products include disposable tip, micro plate, cell culture vessels and other plastic product.



Custom-Made Automatic Dispenser

NSS-1000II Basic

- Cost effective custom made automatic dispensing systems
- Stand alone dispensers as well as dispensing components to be integrated into larger system units will be possible.
- Working areas ranging from A4-sized desk top type to larger work station type will be possible.
- Software to meet customers' requirements concerning C-language and Visual Basic will be possible.



Custom-made system example

Appearance	Name	Main features	Appearance	Name	Main features
	Dilution system for mechanical oil	Function to prevent contamination with air pressure feed-in. 1000mm(W)×500mm(D)×500mm		Sample preparation system by disposable tip	Simple dispensing of samples from test tubes to micro plates using disposable tips. 500mm(W)×800mm(D)×150mm
	Two channel micro plate dilution system	Dilutes samples on micro plates. Two channels with disposable and washable tips. 700mm(W)×450mm(D)×700mm		Automatic picking system for Electrophoresis gel	Determines sample spots fractionated by electrophoresis through image analysis and performs safe picking with the rotation and suction feature. 756mm(W)×700mm(D)×750mm
	Multiple dispensing and dilution system	Automatic dispenser with two syringe pumps for dispensing processes and liquid line cleaning. 800mm(W)×450mm(D)×700mm		Five channel high-speed dispensing system	System for dispensing five different liquids using five syringe pumps and five probes. 800mm(W)×500mm(D)×700mm
	Dispenser for PCR preparation	Reformatting from four 96-well micro plates to one 384-well micro plate. 500mm(W)×400mm(D)×500mm		Powder sample dispensing system	High accuracy dispenses of small powder samples with the suction and discharging function. Can also be connected to electronic balances or combined with liquid dispensing. 720mm(W)×700mm(D)×550mm
	Five channel high throughput dilution system	Automatic tip interval span feature and stacker for tips and micro plates are included. 1000mm(W)×610mm(D)×500mm			



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