



www.nichiryo.co.jp/en/

NICHIRYO PRODUCT LINE-UP

PIPETTE / DISPENSER / CUSTOM MADE & OEM

2024-

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Distributor

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



Our calibration service center uses ISO/IEC 17025 (IS 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 (JA) 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.

NICHIRYO

Future Lifescience Partner

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

- ① **Challenge** Always making efforts to achieve the high goal.
- ② **Creation** Thinking differently. Creating innovative products.
- ③ **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 August 2024.
- 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
- NICHIRYO 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 (JA 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.

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

* Above conditions are subject to change without any notice.



NICHIRYO Dream Bank

You can visit own member page to see Dream Bank point summary, to add your point, to redeem Nichiryo items and to receive other various services. In addition, you can receive member campaign information and other special message from Nichiryo.

Points redemption You can get free items from wide range of selections by redeeming Dream Bank points.



Register now! ▶ <https://www.nichiryo.co.jp/en/dreambank/>



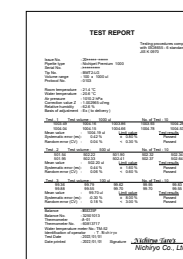
Quality Assurance System

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.



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.



Among the world's lightest Micro Pipettes

Nichipet[®] Air

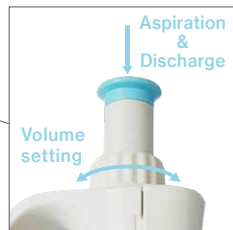
New evolution for world-class light weight, accuracy, and precision.



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.



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.



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



* This image is 20 µL

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



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

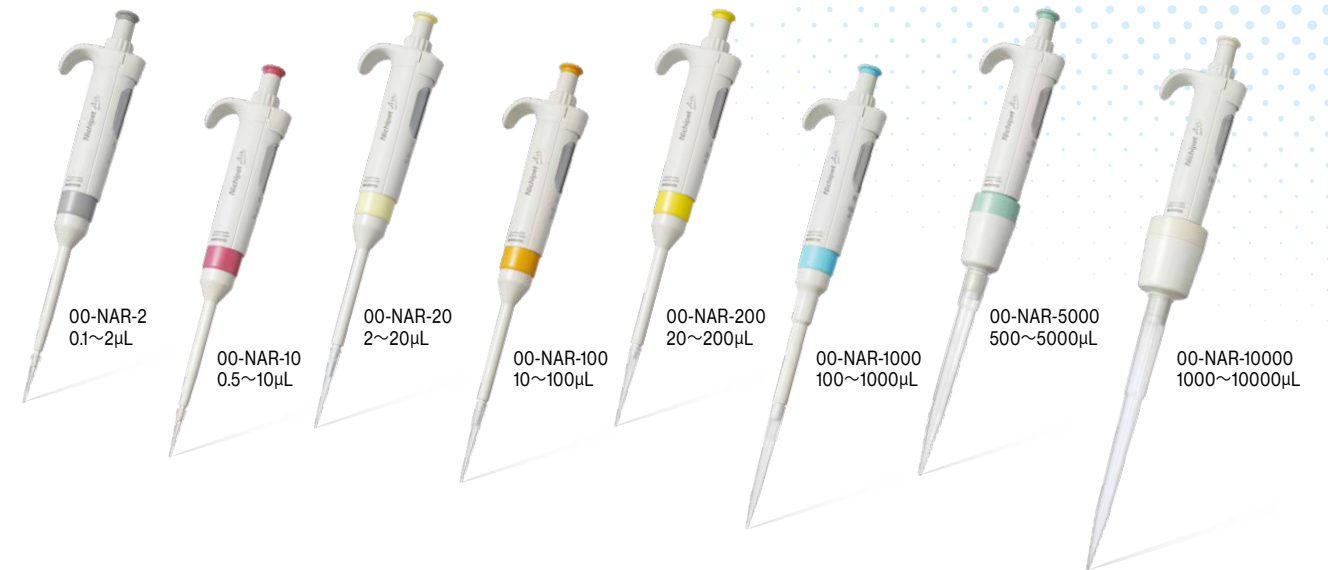
Keeps the same durability as previous model and reduce the weight as 56% at maximum. Operability is improved with compact design. Approximate 70g. Fully autoclavable.

[Parts List]

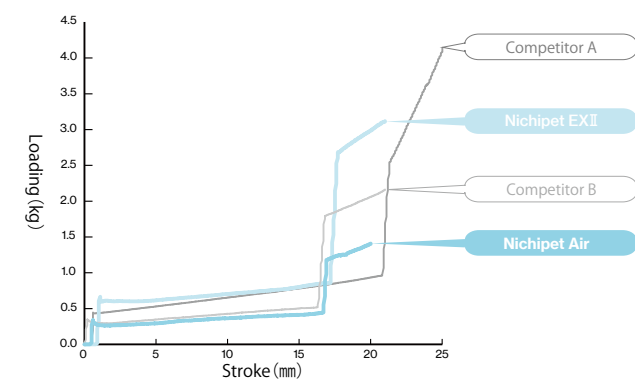


- In order to reduce fatigue during long-term use, significant weight reduction and stroke load reduction have been achieved.
- The entire body is autoclaved (121°C, 20 minutes) with possible durability and the highest level of accuracy and repeatability.

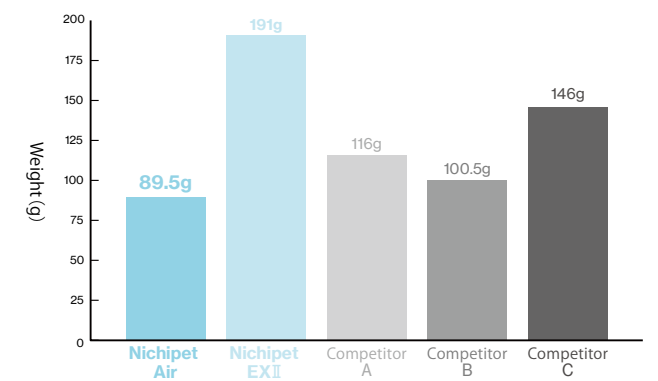
Product lineup (8 colors)



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	BMT2-UT/UTWR/UTWRB. FUT/FUTRB
00-NAR-10 (● Pink)		0.5~10	0.01	
00-NAR-20 (● Cream)		2~20	0.02	BMT2-SG/SGR/SGRB. FSG/FSGRB
00-NAR-100 (● Orange)		10~100	0.1	BMT2-SG/SGR/SGRB. FSE/FSERB
00-NAR-200 (● Yellow)		20~200	0.2	BMT2-SG/SGR/SGRB. FAG/FAGRB
00-NAR-1000 (● Blue)		100~1000	1	BMT2-LG/LGR/LGRB. FLG/FLGRB
00-NAR-5000 (● Green)		500~5000	5	BMT2-X/XR/XRB
00-NAR-10000 (● White)		1000~10000	10	BMT2-ZS/ZSR/ZSRB*

*Exclusive tip for 00-NAR-10000. *See p18 for tip selection.

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 0.2µL and NAR-10 below 1µL depend on the sampling skill and the sampling condition where pipettes are used.

Among the world's lightest Micro Pipettes

Nichipet® Air -Multi Channel-

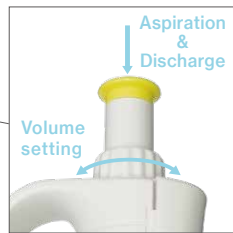
Multi channel model of 'Nichipet Air' among the world's lightest pipette with world class Accuracy and Precision.



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.



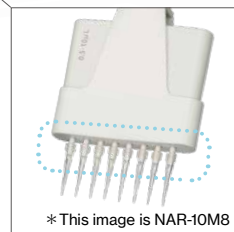
The pipette volume (Cat. No.) is recognized in one glance by volume notation of 4 positions.

[Parts List]



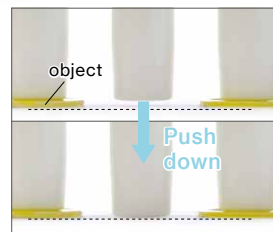
In order to reduce fatigue during long-term use, significant weight reduction and stroke load reduction have been achieved.

The entire body is autoclaved (121° C, 20 minutes) with possible durability and the highest level of accuracy and repeatability.



* This image is NAR-10M8

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



This function improves attachment of the tips from the rack.

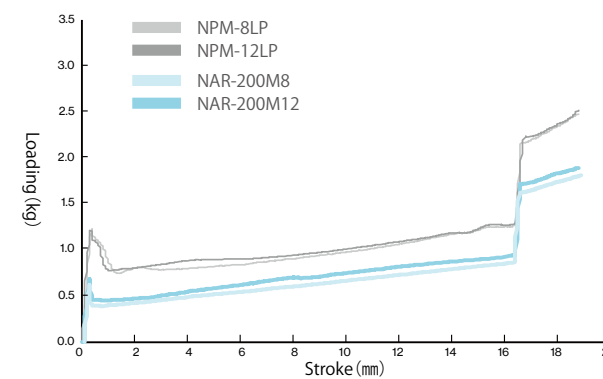
Product lineup (4 colors)



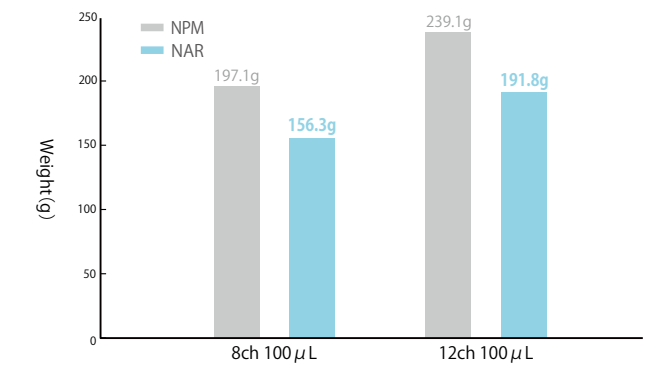
00-NAR-10M8 0.5~10µL
00-NAR-100M8 10~100µL
00-NAR-200M8 20~200µL
00-NAR-300M8 30~300µL

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	BMT2-UT / UTWR / UTWRB. FUT / FUTRB
00-NAR-100M8 (Orange)			10 - 100	0.1	BMT2-SG / SGR / SGRB. FSE / FSERB
00-NAR-200M8 (Yellow)			20 - 200	0.2	BMT2-SG / SGR / SGRB. FAG / FAGRB
00-NAR-300M8 (White)			30 - 300	1	BMT2-K/KR/KRB
00-NAR-10M12 (Pink)	12	Digital Setting	0.5 - 10	0.01	BMT2-UT / UTWR / UTWRB. FUT / FUTRB
00-NAR-100M12 (Orange)			10 - 100	0.1	BMT2-SG / SGR / SGRB. FSE / FSERB
00-NAR-200M12 (Yellow)			20 - 200	0.2	BMT2-SG / SGR / SGRB. FAG / FAGRB
00-NAR-300M12 (White)			30 - 300	1	BMT2-K/KR/KRB

* See p.18 for tip selection.

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 1µL depend on the sampling skill and the sampling condition where pipettes are used.

Autoclavable Micro Pipette

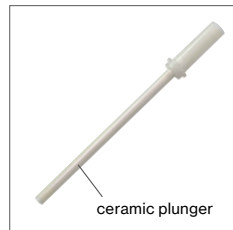
Nichipet[®] Premium

The 5-year warranty is proof of high durability.

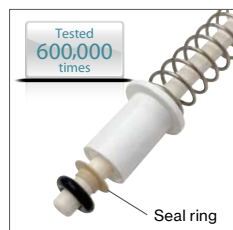
5-year warranty



Enlarged and easy to read counter display for volume setting.



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



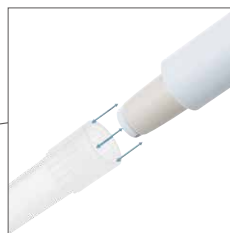
Seal ring for the Premium is tested dispensing / aspirating 600,000 times. Non-greased plunger makes it easy to maintain. (2μL – 200μL) The test was conducted by Nichiryo. The test result may vary with condition of usage.



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)

[Parts List]

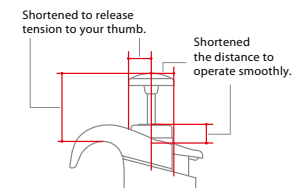


■ Hand temperature doesn't permeate through the body of the pipette which works to avoid affecting volume measurement. (Patented)

*All features of Nichipet EXII are available on Nichipet Premium.

- 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.

● What's new!



Specifications

Cat. No	Volume Setting	Volume range(μL)	Increments(μL)	Usable tips
00-NPP-2	Digital Setting	0.1 – 2	0.002	BMT2-UT/UTWR/UTWRB, FUT/FUTRB
00-NPP-10		0.5 – 10	0.01	BMT2-SSW/SSWR/SSWRB, FSS/FSSRB
00-NPP-20		2 – 20	0.02	BMT2-SG/SGR/SGRB, FSG/FSGRB
00-NPP-100		10 – 100	0.1	BMT2-SG/SGR/SGRB, FSE/FSERB
00-NPP-200		20 – 200	0.2	BMT2-SG/SGR/SGRB, FAG/FAGRB
00-NPP-1000		100 – 1000	1	BMT2-LG/LGR/LGRB, FLG/FLGRB
00-NPP-5000		1000 – 5000	10	BMT2-X/XR/XRB
00-NPP-10000		1000 – 10000	10	BMT2-Z/ZR/ZRB

*See p.18 for tip selection.

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 0.2μL and NPP-10 below 1μL depend on the sampling skill and the sampling condition where pipettes are used.

Nichiryo's quality starter packages

Nichipet Premium S-PAC

- Package type of 3 selected Pipettes with racked -Tips.
- Ready-to-start packages with 3 sizes of pipettes to perform high AC and CV pipetting.
- 3 packages are available to cover wide range of volume.



Nichipet Premium

3 pcs

Racked Tip

3 or 4 racks

Tube Opener

3 pcs



Nichiryo Tube Opener (code:00-NTO)

"Easier" and "safer" to open tube lid with holding pipette



■ Attached on grip end, 0.5, 1.5 mL tube and screw cap can be opened easily.

*Compatible with Nichipet Premium (2-1000μL) and Nichipet EXII (2-1000μL)

Nichipet Premium S-PAC

Description	Cat. No	Content
Nichipet Premium S-PAC A	00-SP-AP	NPP-10, NPP-100, NPP-1000 BMT2-SSWR (0.5~10 μL), BMT2-SGR (2~200 μL), BMT2-LGR (100~1000 μL), NTO
Nichipet Premium S-PAC B	00-SP-BP	NPP-20, NPP-200, NPP-1000 BMT2-SGR (2~200 μL) × 2, BMT2-LGR (100~1000 μL), NTO
Nichipet Premium S-PAC H	00-SP-HP	NPP-2, NPP-10, NPP-100 BMT2-UTWR (0.1~10 μL) × 2, BMT2-SSWR (0.5~10 μL), BMT2-SGR (2~200 μL), NTO

Solvent Resistant Nichipet EX II

Nichipet® EX Plus II

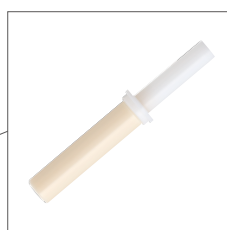
Chemical Resistant Model of Nichipet Series



Materials used for pipette body have high tolerance to solvents. Non-grease designed. No need to worry about continuous autoclaving.



Easy calibration with enclosed jig.



Ceramic plunger is used to prevent from corrosion by solvents. (200uL - 10000uL)



Chemical-resistant O-ring with minimum expansion ratio.



Resin material of ejector pipe could enhance high tolerance to solvents.

[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.
- Hyper Blower System; a longer push stroke from the second stop position, to improve dispensing efficiency. (2μL, 10μL)
- Easy-Calibration function provides simple lab calibration.
- The one-touch locking mechanism makes it easy to lock the sample volume.

*All features of Nichipet EXII are available on Nichipet EXPlusII.

- 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	BMT2-UT/UTWR/UTWRB, FUT/FUTRB
00-NPLO2-10		0.5 - 10	0.01	BMT2-SSW/SSWR/SSWRB, FSS/FSSRB
00-NPLO2-20		2 - 20	0.02	BMT2-SG/SGR/SGRB, FSG/FSGRB
00-NPLO2-100		10 - 100	0.1	BMT2-SG/SGR/SGRB, FSE/FSERB
00-NPLO2-200		20 - 200	0.2	BMT2-SG/SGR/SGRB, FAG/FAGRB
00-NPLO2-1000		100 - 1000	1	BMT2-LG/LGR/LGRB, FLG/FLGRB
00-NPLO2-5000		1000 - 5000	10	BMT2-X/XR/XRB
00-NPLO2-10000		1000 - 10000	10	BMT2-Z/ZR/ZRB

*See p.18 for tip selection.

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
00-NPLO2-100	10	±2.0	≦1.0	00-NPLO2-10000	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 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

▷A perfluoro rubber O-ring is installed in Nichipet EX plus II.

▷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					
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					

* For more information, please feel free to contact us.

Autoclavable Micro Pipette

Nichipet® EX II

Best Selling Model of Nichipet Series



Volume display made of durable glass material protects the damage from UV irradiation and keep the pipette safer in clean bench even over a long time.



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



Materials used for pipette body have high tolerance to solvents. Non-grease designed. No need to worry about continuous autoclaving.



The ejector pipe fixed by a screw is easier to remove.



Non corrosive ceramic used in the plunger. (200 μ L - 1000 μ L)



Resin material of ejector pipe could enhance high tolerance to solvents.

- Hyper blower system, longer second-push stroke, improves dispensing efficiency. (2 μ L, 10 μ L)
- Easy and convenient single hand locking lever.
- PTFE (Fluorine resin) is used in the airtight chamber of the instrument, so the instrument keeps its air tightness and precise reproducibility for long hours.
- Filtered nozzles are used for volume models. (1000 μ L - 10000 μ L)
- Tip ejector allows for tip ejections without touching the tip.
- Tip ejector is made of plastic to avoid damaging glass tubes.

- 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.

[Parts List]



Specifications

Cat. No	Volume setting	Volume range (μ L)	Increments(μ L)	Usable tips
00-NPX2-2	Digital setting	0.1 - 2	0.002	BMT2-UT/UTWR/UTWRB, FUT/FUTRB
00-NPX2-10		0.5 - 10	0.01	BMT2-SSW/SSWR/SSWRB, FSS/FSSRB
00-NPX2-20		2 - 20	0.02	BMT2-SG/SGR/SGRB, FSG/FSGRB
00-NPX2-100		10 - 100	0.1	BMT2-SG/SGR/SGRB, FSE/FSERB
00-NPX2-200		20 - 200	0.2	BMT2-SG/SGR/SGRB, FAG/FAGRB
00-NPX2-1000		100 - 1000	1	BMT2-LG/LGR/LGRB, FLG/FLGRB
00-NPX2-5000		1000 - 5000	10	BMT2-X/XR/XRB
00-NPX2-10000		1000 - 10000	10	BMT2-Z/ZR/ZRB

*See p.18 for tip selection.

Accuracy and Precision

Cat. No	Volume(μ L)	Accuracy(%)	Precision(%)	Cat. No	Volume(μ L)	Accuracy(%)	Precision(%)
00-NPX2-2	0.2	$\pm 12.0^*$	$\leq 6.0^*$	00-NPX2-200	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-NPX2-10	1	$\pm 4.0^*$	$\leq 3.0^*$	00-NPX2-1000	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-NPX2-20	2	± 5.0	≤ 3.0	00-NPX2-5000	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-NPX2-100	10	± 2.0	≤ 1.0	00-NPX2-10000	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 NPX2-2 below 0.2 μ L and NPX2-10 below 1 μ L depend on the sampling skill and the sampling condition where pipettes are used.

Nichiryo's quality starter packages

Nichipet® EX II S-PAC

- Package type of 3 selected Pipettes with racked -Tips.
- Each package contains 3 Nichipet EX IIs, 3 sample racked tips and 3 tube openers.



Nichipet EX II S-PAC

Description	Cat. No	Content
Nichipet EX II S-PAC A	00-SP-A2	NPX2-10, NPX2-100, NPX2-1000 BMT2-SSWR (0.5~10 μ L), BMT2-SGR (2~200 μ L), BMT2-LGR (100~1000 μ L), NTO
Nichipet EX II S-PAC B	00-SP-BN2	NPX2-20, NPX2-200, NPX2-1000 BMT2-SGR (2~200 μ L) $\times 2$, BMT2-LGR (100~1000 μ L), NTO
Nichipet EX II S-PAC H	00-SP-H2	NPX2-2, NPX2-10, NPX2-100 BMT2-UTWR (0.1~10 μ L) $\times 2$, BMT2-SSWR (0.5~10 μ L), BMT2-SGR (2~200 μ L), NTO

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.



[Parts List]



Specifications

Cat. No	Volume setting	Volume range(μL)	Increments (μL)	Usable tips
00-NLE-10	Digital setting	0.5 – 10	0.02	BMT2-SSW/SSWR/SSWRB, FSS/FSSRB
00-NLE-20		2 – 20	0.02	BMT2-SG/SGR/SGRB, FSG/FSGRB
00-NLE-100		10 – 100	0.2	BMT2-SG/SGR/SGRB, FSE/FSERB
00-NLE-200		20 – 200	0.2	BMT2-SG/SGR/SGRB
00-NLE-1000		100 – 1000	2	BMT2-LG/LGR/LGRB, FLG/FLGRB

*See p.18 for tip selection.

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
00-NLE-100	20	±1.2	≤0.8	1000	±0.7	≤0.5	
	10	±2.0	≤1.0				
	50	±1.2	≤0.8				
	100	±1.0	≤0.6				

*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.

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



[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**



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



Specifications

Type	Cat. No	Volume setting	Volume range(µL)	Accuracy(%)	Precision(%)	Usable tips
FII	00-NPF2-10	Fixed	10	±1.2	≤0.4	BMT2-SSW/SSWR/SSWRB, FSS/FSSRB
	00-NPF2-20		20	±0.8	≤0.3	BMT2-SG/SGR/SGRB, FSG/FSGRB
	00-NPF2-25		25	±0.8	≤0.3	BMT2-SG/SGR/SGRB
	00-NPF2-30		30	±0.8	≤0.3	
	00-NPF2-50		50	±0.6	≤0.3	
	00-NPF2-100		100	±0.6	≤0.3	BMT2-SG/SGR/SGRB, FSE/FSERB
	00-NPF2-200		200	±0.6	≤0.2	BMT2-SG/SGR/SGRB, FAG/FAGRB
	00-NPF2-500		500	±0.5	≤0.2	BMT2-LG/LGR/LGRB
	00-NPF2-1000		1000	±0.5	≤0.2	BMT2-LG/LGR/LGRB, FLG/FLGRB
VII	00-NPV2-S	Three variable settings	10/20/50	±1.2 – ±0.7	≤0.6 – ≤0.3	BMT2-SG/SGR/SGRB, FSG/FSGRB
	00-NPV2-M		50/100/200	±0.7 – ±0.5	≤0.4 – ≤0.3	BMT2-SG/SGR/SGRB, FAG/FAGRB
	00-NPV2-L		200/500/1000	±0.7 – ±0.5	≤0.3 – ≤0.2	BMT2-LG/LGR/LGRB, FLG/FLGRB

*See p.18 for tip selection.

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

Disposable Tips **Premium Tip**

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



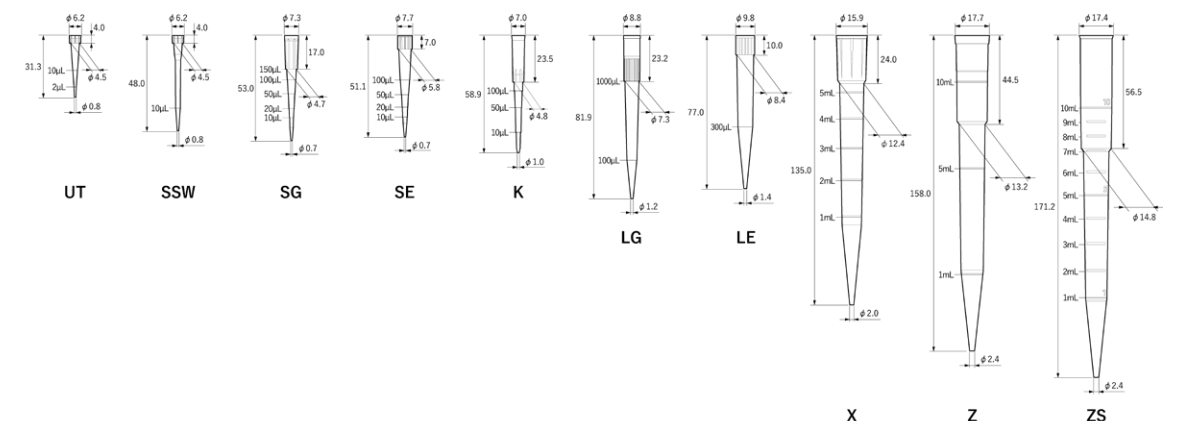
Specifications

* 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	1000	NAR-2, 10 / NAR-10M8, 10M12 NPP-2 / NLT-2 NPX-NPX2-2 / NPLO-NPLO2-2 NP7-8V, 12V / NPM-8V, 12V
	00-BMT2-UTWR	Racked tip			960 (96pcs. × 10 ⁷ /s)	
	00-BMT2-UTWRB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
SSW	00-BMT2-SSW	Bulk tip	0.5~10	Natural	1000	NPP-10 / NLT-10 NPX-NPX2-10 / NPLO-NPLO2-10 NLE-10 / NPF2-10
	00-BMT2-SSWRB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
SG	00-BMT2-SG	Bulk tip	2~200	Natural	1000	NAR-20, 100, 200 / NAR-100M8, 100M12, 200M8, 200M12 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 / NP7-8S, 8L, 12S, 12L NPM-8S, 8L, 12S, 12L
	00-BMT2-SGRB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
SE	00-BMT2-SE	Bulk tip	2~200	Natural	1000	NPX-20, 100, 200 NPLO-20, 100, 200
	00-BMT2-SER	Racked tip			960 (96pcs. × 10 ⁷ /s)	
	00-BMT2-SERB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
K	00-BMT2-K	Bulk tip	30~300	Natural	1000	NAR-300M8, 300M12 NP7-8K, 12K NPM-8K, 12K
	00-BMT2-KR	Racked tip			960 (96pcs. × 10 ⁷ /s)	
	00-BMT2-KRB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
LG	00-BMT2-LG	Bulk tip	100~1000	Natural	1000	NAR-1000 NPP-1000 / NLT-1000 NPX2-1000 / NPLO2-1000 NLE-1000 / NPF2-500, 1000 / NPV2-L
	00-BMT2-LGR	Racked tip			960 (96pcs. × 10 ⁷ /s)	
	00-BMT2-LGRB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
LE	00-BMT2-LE	Bulk tip	100~1000	Natural	1000	NPX-1000 NPLO-1000
	00-BMT2-LER	Racked tip			960 (96pcs. × 10 ⁷ /s)	
	00-BMT2-LERB	Racked tip (sterilized)			960 (96pcs. × 10 ⁷ /s)	
X	00-BMT2-X	Bulk tip	1000~5000	Natural	200	NAR-5000 NPP-5000 NPX-NPX2-5000 NPLO-NPLO2-5000/11DG-5000
	00-BMT2-XR	Racked tip			100 (50pcs. × 2 ⁷ /s)	
	00-BMT2-XRB	Racked tip (sterilized)			100 (50pcs. × 2 ⁷ /s)	
Z	00-BMT2-Z	Bulk tip	1000~10000	Natural	200	NPP-10000 NPX-NPX2-10000 NPLO-NPLO2-10000
	00-BMT2-ZR	Racked tip			80 (40pcs. × 2 ⁷ /s)	
	00-BMT2-ZRB	Racked tip (sterilized)			80 (40pcs. × 2 ⁷ /s)	
ZS	00-BMT2-ZS	Bulk tip	1000~10000	Natural	200	NAR-10000
	00-BMT2-ZSR	Racked tip			80 (40pcs. × 2 ⁷ /s)	
	00-BMT2-ZSRB	Racked tip (sterilized)			80 (40pcs. × 2 ⁷ /s)	

TIP

(measure : mm)



NichimateAqua™



NichimateAQUA Tip

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

Low Retention Tip

Type	Length	Cat. No.	Specification	Q'ty(box)
10 μL 	31.1mm	00-LRT-10	Bulk tip	1000
		00-LRT-10-RF	Refill tip	960pcs (96pcs. × 5stacks × 2)
		00-LRT-10RB	Racked tip (sterilized)	960 (96pcs. × 10 ² /s)
10 μL (Long) 	45.8mm	00-LRT-10L	Bulk tip	1000
		00-LRT-10L-RF	Refill tip	960pcs (96pcs. × 5stacks × 2)
		00-LRT-10LRB	Racked tip (sterilized)	960 (96pcs. × 10 ² /s)
200 μL 	50.8mm	00-LRT-200	Bulk tip	1000
		00-LRT-200-RF	Refill tip	960pcs (96pcs. × 5stacks × 2)
		00-LRT-200RB	Racked tip (sterilized)	960 (96pcs. × 10 ² /s)
200 μL (Long) 	91.1mm	00-LRT-200LRB	Racked tip (sterilized)	192 (96pcs. × 2 ² /s)
300 μL 	55.9mm	00-LRT-300	Bulk tip	1000
		00-LRT-300-RF	Refill tip	960pcs (96pcs. × 5stacks × 2)
		00-LRT-300RB	Racked tip (sterilized)	960 (96pcs. × 10 ² /s)
1250 μL 	90.2mm	00-LRT-1250	Bulk tip	1000
		00-LRT-1250-RF	Refill tip	768pcs (96pcs. × 4stacks × 2)
		00-LRT-1250RB	Racked tip (sterilized)	960 (96pcs. × 10 ² /s)

Low Retention Filtered Tip

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

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)
- Complies with CE and RoHS.



[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

- 40 variations of dispensing are enabled by 8 syringes and 5 stages.
- Suitable for dispensing viscous 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.)



Syringes for Stepper

[Specifications]



Specifications

Cat. No	Product name
00-NS-TP	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 BMT-UT tips. NS-Y/Z requires use of NS-ADP adaptor. Syringes are disposable.

● Syringes

Cat. No	Description	Q'ty(box)	Cat. No	Description	Q'ty(box)
00-NS-V	0.05mL syringe (with 100 BMT-UT tips)	100	00-NS-SB	0.5mL sterilized syringe	100
00-NS-S	0.5mL syringe	100	00-NS-MB	1.25mL sterilized syringe	100
00-NS-M	1.25mL syringe	100	00-NS-NB	2.5mL sterilized syringe	100
00-NS-N	2.5mL syringe	100	00-NS-LB	5mL sterilized syringe	100
00-NS-L	5mL syringe	100	00-NS-XB	12.5mL sterilized syringe	100
00-NS-X	12.5mL syringe	100	00-NS-ADPY	Attachment for 25mL (for 25mL Syringes / 00-NS-Y)	1
00-NS-Y	25mL syringe (with one attachment)	50	00-NS-ADPZ	Attachment for 50mL (for 50mL Syringes / 00-NS-Z)	1
00-NS-Z	50mL syringe (With one attachment)	25			

Hand-held Dispenser

MODEL 2100DG

- 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]



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-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**

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]



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**

- 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

[Specifications]



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
00-DPM-2000	1000 / 2000	±1.0	≤0.2	GL-28

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



Cat. No 00-MLT-STD2 (ABS)
Storing capacity ... 6pcs
Compatible models ... Nichipet premium LT
Nichipet Premium
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 premium LT
Nichipet Premium
Nichipet EX II
Nichipet EX Plus II
Nichiryo Le



Cat. No 00-BM-STD
(Acrylic resin)
Storing capacity ... 6pcs
Compatible models ... Nichipet premium LT
Nichipet Premium
Nichipet EX II
Nichipet EX Plus II
Nichipet F II & V II

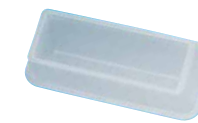
Dispenser Stand



Ergonomically Designed Repetitive Dispenser Nichimate Stepper

Cat. No 00-NS-STD
(Acrylic resin)
Storing capacity 2pcs

Tray



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

Tube Opener



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

Volume adjustment tool



Cat. No 00-NAR-AT
Q'ty 1pc
Compatible models ... Nichipet Air
Nichipet Air -Multi Channel-

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



Custom-Made products

Custom-made Pipettes

[Examples]



- 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			

NOTES

