



# NICHIRYO PRODUCT LINEUP

PIPETTE / DISPENSER

**2011-12**



# BE ORIGINATIVE NICHIRYO

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



President  
**Takayoshi Itoh**

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

Today, the Nichiryō 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”

A handwritten signature in black ink, appearing to read 'T. Itoh', located at the bottom right of the page.

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Items or parts come with this icon are made of materials which have high resistance to ultraviolet rays.



Items or parts come with this icon can be autoclaved at conditions of 121°C for 20 minutes.

- 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 September 2011.
- 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.

# Customer Support

## 5 year warranty for Nichipet Premium

### Tips for 5-year warranty

- 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](mailto:i-sales@nichiryo.co.jp)**

\*Above conditions are subject to change without any notice.



The image shows a warranty registration form for Nichipet Premium. The form includes fields for Name, Address, and E-mail. It also has a section for the distributor's name and address. The form is titled "Nichipet Premium" and "Part 1: 5 years from the date of purchase".



## 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.





# PIPETTE

Autoclavable Micro Pipette

## Nichipet Premium

5-year warranty

Innovation in durability, strength, stability and comfort  
the latest model in Nichipet series

UV  
Resistance

121°C  
Autoclavable



Enlarged and easy to read counter display for volume setting



ceramic plunger

Non corrosive ceramic used in the plunger  
( 100 $\mu$ L - 10000 $\mu$ L )



Tested  
600,000  
times

Seal ring

Seal ring for the Premium is tested dispensing / aspirating 600,000 times. Non-greased plunger makes it easy to maintain. ( 2 $\mu$ L - 1000 $\mu$ L )

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. ( 2 $\mu$ L - 1000 $\mu$ L )

## Innovation in “Durability” and “Strength”

- Seal ring for the Premium is tested dispensing / aspirating 600,000 times.( 2 $\mu$ L – 1000 $\mu$ L )
- Nozzle top is highly abrasion tolerant. ( 2 $\mu$ L – 1000 $\mu$ L )
- Non corrosive ceramic is used for the plunger ( 100 $\mu$ L – 10mL )

## Innovation in “Stability” and “Preciseness”

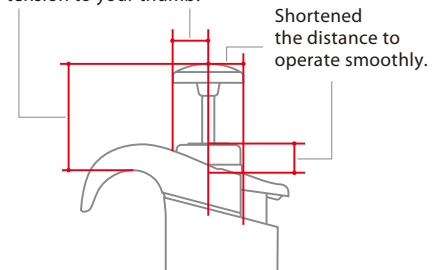
- Hyper Blower System, longer second-push stroke, improves dispensing efficiency. ( 2 $\mu$ L,10 $\mu$ L,20 $\mu$ L )
- Easy-Calibration function provides simple lab calibration.
- Hand temperature doesn't permeate through the body of the pipette which works to avoid affecting volume measurement. ( Patented )

## Innovation in “Fatigue-Free” and “Comfort”

- New round shape of the Premium mitigates fatigue and stress from heavy workload.
- Enlarged push button makes it easy to depress.
- White body color mitigates reflection of room light.

### What's new!

Shortened to release tension to your thumb.



### Specifications

Cat. No	Volume Setting	Volume range( $\mu$ L)	Increments( $\mu$ L)	Usable tips
00-NPP-2	Digital Setting	0.1 – 2	0.002	BMT-UT/UTR, CT-UT/UTR
00-NPP-10		0.5 – 10	0.01	BMT-SS/SSR, CT-SS/SSR
00-NPP-20		2 – 20	0.02	BMT-SG/SGR, CT-SG/SGR
00-NPP-100		10 – 100	0.1	BMT-SG/SGR, CT-SG/SGR
00-NPP-200		20 – 200	0.2	BMT-SG/SGR, CT-AG/AGR
00-NPP-1000		100 – 1000	1	BMT-L/LR, CT-L/LR
00-NPP-5000		1000 – 5000	10	BMT-X/XR
00-NPP-10000		1000 – 10000	10	BMT-Z

\*See p.15-16 for tip selection.

### Accuracy and Precision

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

\*The AC and CV above are measured with the disposable tips described in the catalogue.

\*The AC and CV at 0.2 $\mu$ L depend much on the sampling skill and the sampling condition where pipettes are used.

Solvent Resistant Nichipet EX

## *Nichipet EX Plus II*

### Chemical Resistant Model of Nichipet Series

- 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.
  - ▷ An alloy spring to avoid metal corrosion by organic solvents.
- Hyper blower system, longer second-push stroke, improves dispensing efficiency. (2 $\mu$ L, 10 $\mu$ L)
- Fully autoclavable. ( 121°C for 20 minutes )
- Enhanced UV resistance for better use in UV hoods.
- Easy-Calibration function provides simple lab calibration.
- Ceramic plungers are used for volume models larger than 100 $\mu$ L.
- The one-touch locking mechanism makes it easy to lock the sample volume.



Chemical-guard O-ring with minimum expansion ratio



Easy calibration with enclosed jig





## Specifications

Cat. No	Volume setting	Volume range(μL)	Increments (μL)	Usable tips
00-NPLO2-2	Digital setting	0.1 – 2	0.002	BMT-UT/UTR, CT-UT/UTR
00-NPLO2-10		0.5 – 10	0.01	BMT-SS/SSR, CT-SS/SSR
00-NPLO2-20		2 – 20	0.02	BMT-SE/SER, SG/SGR, CT-SG/SGR
00-NPLO2-100		10 – 100	0.1	BMT-SE/SER, SG/SGR, CT-SG/SGR, SE/SER
00-NPLO2-200		20 – 200	0.2	BMT-SE/SER, SG/SGR, CT-AG/AGR, SE/SER
00-NPLO2-1000		100 – 1000	1	BMT-L/LR, CT-L/LR
00-NPLO2-5000		1000 – 5000	10	BMT-X/XR
00-NPLO2-10000		1000 – 10000	10	BMT-Z

\*See P15-16 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

\*The AC and CV values below 0.2μL depend much on the operator's skill and the environment under which the pipette is used.

\*The AC and CV values are the values by use of the disposable tips described in the catalogue.

\*The specification and price are subjected to change without notice due to modifications for quality improvement.

\*The Nichipet EX PlusII 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 PlusII 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 plusII.

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

Chemicals	Temperature	Test days	Perfluoro rubber O-ring	Fluorine rubber normal O-ring	Chemicals	Temperature	Test days	Perfluoro rubber O-ring	Fluorine rubber normal O-ring
Inorganic acid & Organic acid					Ketone, Ester, Ether				
Glacial acetic acid	40°C	8	A	C	Acetone	40°C	21	B	D
Acetic anhydride	40°C	8	A	C	Methyl ethyl ketone	40°C	21	A	D
Inorganic alkalies					Diethylene carbonate	40°C	21	A	D
28% Ammonia water	40°C	21	A	D	Acetylacetone	40°C	21	A	D
Furan & Aldehyde					Methyl formate	25°C	21	B	D
Tetrahydrofuran	40°C	21	B	D	Methyl acetate	40°C	21	A	D
2-Methyl Tetrahydrofuran	40°C	21	B	D	Acetic ether	40°C	21	B	D
Acetaldehyde	25°C	21	B	D	Isoamyl acetate	40°C	21	A	D
Acetophenone	40°C	21	A	C	Acrylic acids	40°C	21	A	C
Inclusive nitrogen compound					Ethyl acrylate	40°C	21	A	D
Acrylic nitrile	40°C	21	A	C	Diethyl oxalate	40°C	21	A	D
Ethylene diamine	40°C	21	B	D	Triethyl phosphate	40°C	21	A	D
Pyridine	40°C	21	A	C	Tricresyl phosphate	100°C	7	A	C
N, N - dimethylformamide	40°C	21	A	D	Diethyl ether	25°C	21	B	C
N, N - dimethylacetamide	40°C	21	A	D					
N-methyl-2-pyrrolidone	100°C	7	A	D					

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

Autoclavable Digital Micro Pipette

## Nichipet EX II

### Best Selling Model of Nichipet Series

- Fully autoclavable. ( 121°C for 20 minutes )
- Enhanced UV resistance.
- Hyper blower system, longer second-push stroke, improves dispensing efficiency. (2μL,10μL)
- Easy digital volume setting.
- Easy and convenient single hand locking lever.
- Eight sizes to cover a wide volume range. ( 0.1μL - 10000μL )
- 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.
- Ceramic plungers are used for volume models larger than 200μL.
- Filtered Nozzles are used for volume models larger than 1000μL.
- Tip ejector allows for tip ejections without touching the tip.
- Tip ejector is made of plastic to avoid damaging glass tubes.



### Specifications

Cat. No	Volume setting	Volume range (μL)	Increments(μL)	Usable tips
00-NPX2-2	Digital setting	0.1 - 2	0.002	BMT-UT/UTR, CT-UT/UTR
00-NPX2-10		0.5 - 10	0.01	BMT-SS/SSR, CT-SS/SSR
00-NPX2-20		2 - 20	0.02	BMT-SE/SER, SG/SGR, CT-SG/SGR
00-NPX2-100		10 - 100	0.1	BMT-SE/SER, SG/SGR, CT-SG/SGR, SE/SER
00-NPX2-200		20 - 200	0.2	BMT-SE/SER, SG/SGR, CT-AG/AGR, SE/SER
00-NPX2-1000		100 - 1000	1	BMT-L/LR, CT-L/LR
00-NPX2-5000		1000 - 5000	10	BMT-X/XR
00-NPX2-10000		1000 - 10000	10	BMT-Z

\*See P15-16 for tip selection.

### Accuracy and Precision

Cat. No	Volume(μL)	Accuracy(%)	Precision(%)	Cat. No	Volume(μL)	Accuracy(%)	Precision(%)
00-NPX2-2	0.2	±12.0*	≤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	±4.0	≤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

\* The AC and CV values are the values by use of the disposable tips described in the catalogue.

\* The AC and CV at 0.1μL depend much on the operator's skill and the environment in which the pipette is used.

Light &amp; Ergonomic pipette

**NICHIRYO** *Le*

## Ergonomic & Economical Model For Starters

- Weights only 83g (00-NLE-100) which reduces the risk of RSI and is the perfect in a tool for the daily work.
- 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.
- One-touch detachable and attachable tip ejector.



### Specifications

Cat. No	Volume setting	Volume range( $\mu$ L)	Increments ( $\mu$ L)	Usable tips
00-NLE-10	Digital setting	0.5 – 10	0.02	BMT-SS/SSR, CT-SS/SSR
00-NLE-20		2 – 20	0.02	BMT-SE/SER, SG/SGR, CT-SG/SGR, SE/SER
00-NLE-100		10 – 100	0.2	BMT-SE/SER, SG/SGR, CT-SG/SGR, SE/SER
00-NLE-200		20 – 200	0.2	BMT-SE/SER, SG/SGR, CT-AG/AGR, SE/SER
00-NLE-1000		100 – 1000	2	BMT-L/LR, CT-L/LR

\*See P15-16 for tip selection.

### Accuracy and Precision

Cat. No	Volume( $\mu$ L)	Accuracy(%)	Precision(%)	Cat. No	Volume( $\mu$ L)	Accuracy(%)	Precision(%)
00-NLE-10	1*	$\pm 6.0$	$\leq 5.0$	00-NLE-200	20	$\pm 1.2$	$\leq 1.0$
	10	$\pm 1.2$	$\leq 0.8$		200	$\pm 0.8$	$\leq 0.6$
00-NLE-20	2*	$\pm 5.0$	$\leq 3.0$	00-NLE-1000	100	$\pm 1.2$	$\leq 0.8$
	20	$\pm 1.2$	$\leq 0.8$		1000	$\pm 0.7$	$\leq 0.5$
00-NLE-100	10	$\pm 2.0$	$\leq 1.0$	*The AC and CV values at 0.5 $\mu$ L by NLE-10 and 2 $\mu$ L by NLE-20 largely depend on the operator's skill and the environment under which the pipette is used.			
	100	$\pm 1.0$	$\leq 0.6$	*The AC and CV values are the values by use of the disposable tip described in the catalogue.			



Autoclavable Multi Channel Pipette

## Nichipet 7000

- Fully autoclavable. ( 121°C for 20 minutes )
- Enhanced UV resistance for better use in clean benches.
- Suitable for dispensing to 96 well micro plates.
- Easy digital volume setting.
- Easy and convenient single hand locking lever.
- Four sizes ( V,S,L,K ) covering a wide volume range.
- Constructed not to let the temperature of the hand influence the accuracy.
- The ejector allows for tip ejections without touching the tip.
- Revolving handle ( 360° ) to fixate convenient position in pipetting.



### Specifications

Cat. No	Channel	Volume setting	Volume range(μL)	Increments(μL)	Usable tips
00-NP7-8V	8	Digital setting	0.5 – 10	0.01	BMT-UT/UTR, CT-UT/UTR
00-NP7-8S			5 – 50	0.1	BMT-SG/SGR, CT-SG/SGR
00-NP7-8L			40 – 200	0.2	BMT-SG/SGR
00-NP7-8K			50 – 300	1	BMT-K/KR
00-NP7-12V	12		0.5 – 10	0.01	BMT-UT/UTR, CT-UT/UTR
00-NP7-12S			5 – 50	0.1	BMT-SG/SGR, CT-SG/SGR
00-NP7-12L			40 – 200	0.2	BMT-SG/SGR
00-NP7-12K			50 – 300	1	BMT-K/KR

\* See P15-16 for tip selection.

### Accuracy and Precision

Cat. No	Volume(μL)	Accuracy(%)	Precision(%)	Cat. No	Volume(μL)	Accuracy(%)	Precision(%)
00-NP7-8V 00-NP7-12V	1	±8.0	≤4.0	00-NP7-8L 00-NP7-12L	40	±1.4	≤0.5
	5	±4.0	≤2.0		100	±1.0	≤0.4
	10	±2.0	≤1.0		200	±0.9	≤0.3
00-NP7-8S 00-NP7-12S	5	±3.0	≤1.5	00-NP7-8K 00-NP7-12K	50	±1.4	≤0.7
	25	±2.0	≤0.8		150	±1.0	≤0.5
	50	±1.0	≤0.5		300	±0.6	≤0.2

\* The AC and CV values are the values by use of the disposable tips described in the catalogue.

Fixed Volume and Triple Volume Micro Pipette

# Nichipet F&V

- 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**

- ▷ 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**

- ▷ 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	00-NPF-10	Fixed	10	±1.2	≤0.4	BMT-SS/SSR, CT-SS/SSR
	00-NPF-20		20	±0.8	≤0.3	
	00-NPF-25		25	±0.8	≤0.3	
	00-NPF-50		50	±0.6	≤0.3	BMT-SE/SER, SG/SGR, CT-SE/SER
	00-NPF-100		100	±0.6	≤0.3	
	00-NPF-200		200	±0.6	≤0.2	
	00-NPF-500		500	±0.5	≤0.2	
	00-NPF-1000		1000	±0.5	≤0.2	BMT-L/LR, CT-L/LR
V	00-NPV-S	Three variable settings	10/20/50	±1.2 – ±0.7	≤0.6 – ≤0.3	BMT-SE/SER, SG/SGR
	00-NPV-M		50/100/200	±0.7 – ±0.5	≤0.4 – ≤0.3	BMT-SE/SER, SG/SGR, CT-AG/AGR, SG/SGR
	00-NPV-L		200/500/1000	±0.7 – ±0.5	≤0.3 – ≤0.2	BMT-L/LR, CT-L/LR

\*The AC and CV values are the values by use of the disposable tips described in the catalogue.  
\*See P15-16 for tip selection.

## Accessories

**Stand**



Cat. No ..... 00-MLT-STD2(ABS)  
Storing capacity ..... 6pcs  
Compatibility ..... Nichipet Premium  
Nichipet EXII  
Nichipet EX PlusII  
Nichiryo Le



Cat. No ..... 00-BM-STD(Acrylic resin)  
Storing capacity ..... 6pcs  
Compatibility ..... Nichipet Premium  
Nichipet EXII  
Nichipet EX PlusII  
Nichipet F&V

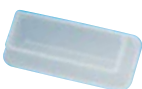


Cat. No ..... 00-NLE-STD(ABS)  
Storing capacity ..... 1pcs  
Compatibility ..... Nichipet Premium  
Nichipet EXII  
Nichipet EX PlusII  
Nichiryo Le



Cat. No ..... 00-7000S(PVC)  
Storing capacity ..... 2pcs  
Compatibility ..... Nichipet 7000

**Tray**



Cat. No ..... 00-88-TY  
Q'ty ..... 50pcs  
Compatibility ..... Nichipet 7000

**Filter**

**For NPP1000**  
Cat. No ... 00-NP-0601000  
Q'ty ..... 10pcs

**For NPP5000**  
Cat. No ... 00-NP-0605000  
Q'ty ..... 100pcs

**For NPP10000**  
Cat. No ... 00-NP-0610000  
Q'ty ..... 100pcs

**Tube Opener**



Cat. No ..... 00-NTO  
Q'ty ..... 3pcs  
Compatibility ..... Nichipet Premium  
Nichipet EX II  
Nichipet EX Plus II

**For NPXII 1000**  
Cat. No ... 00-NX2-0601000  
Q'ty ..... 10pcs

**For NPLOII 1000**  
Cat. No ... 00-LO2-0601000  
Q'ty ..... 10pcs

**For 5000,10000**  
Cat. No ..... 00-NX2-0615000  
Q'ty ..... 100pcs  
Compatibility ..... NPP, NPX2, NPLO2

Nichiryō's quality starter packages

## S-PAC Series

- Package type of 3 selected Pipettes with racked -Tips.

### Nichipet Premium S-PAC

- 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.

Nichiryō 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 (2-1000 $\mu$ L) and Nichipet EX (2-1000 $\mu$ L)



Nichipet Premium

3 pcs

Racked Tip  
3 or 4 racks

Tube Opener

3 pcs

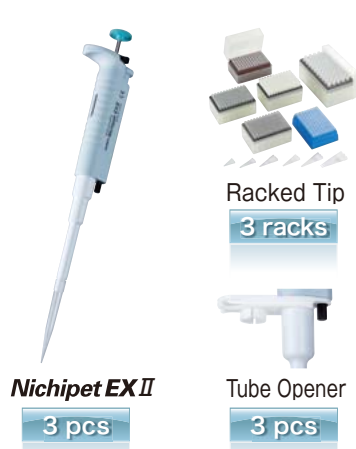


#### Nichipet Premium S-PAC

Description	Cat. No	Content
Nichipet Premium S-PAC A	00-SP-AP	NPP-10(0.5 – 10 $\mu$ L), NPP-100(10 – 100 $\mu$ L), NPP-1000(100 – 1000 $\mu$ L), BMT-SSR(0.5 – 10 $\mu$ L), BMT-SGR(2 – 200 $\mu$ L), BMT-LR(100 – 1000 $\mu$ L), NTO, NLE-STD $\times$ 3
Nichipet Premium S-PAC B	00-SP-BP	NPP-20(2 – 20 $\mu$ L), NPP-200(20 – 200 $\mu$ L), NPP-1000(100 – 1000 $\mu$ L), BMT-SGR(2 – 200 $\mu$ L) $\times$ 2, BMT-LR(100 – 1000 $\mu$ L), NTO, NLE-STD $\times$ 3
Nichipet Premium S-PAC H	00-SP-HP	NPP-2(0.1 – 2 $\mu$ L), NPP-10(0.5 – 10 $\mu$ L), NPP-100(10 – 100 $\mu$ L), BMT-UTR(0.1 – 10 $\mu$ L) $\times$ 2, BMT-SSR(0.5 – 10 $\mu$ L), BMT-SGR(2 – 200 $\mu$ L), NTO, NLE-STD $\times$ 3

### Nichipet EXII S-PAC

- Each package contains  
3 Nichipet EXIIs,  
3 sample racked tips and  
3 tube openers.



Nichipet EXII

3 pcs

Racked Tip  
3 racks

Tube Opener

3 pcs



#### Nichipet EXII S-PAC

Description	Cat. No	Content
Nichipet EXII S-PAC A	00-SP-A2	NPX2-10(0.5 – 10 $\mu$ L), NPX2-100(10 – 100 $\mu$ L), NPX2-1000(100 – 1000 $\mu$ L), BMT-SSR(0.5 – 10 $\mu$ L), BMT-SGR(2 – 200 $\mu$ L), BMT-LR(100 – 1000 $\mu$ L), NTO, NLE-STD $\times$ 3
Nichipet EXII S-PAC B	00-SP-B2	NPX2-20(2 – 20 $\mu$ L), NPX2-200(20 – 200 $\mu$ L), NPX2-1000(100 – 1000 $\mu$ L), BMT-SGR(2 – 200 $\mu$ L) $\times$ 2, BMT-LR(100 – 1000 $\mu$ L), NTO, NLE-STD $\times$ 3
Nichipet EXII S-PAC H	00-SP-H2	NPX2-2(0.1~2 $\mu$ L), NPX2-10(0.5~10 $\mu$ L), NPX2-100(10~100 $\mu$ L), BMT-UTR(0.1~10 $\mu$ L) $\times$ 2, BMT-SSR(0.5~10 $\mu$ L), BMT-SGR(2~200 $\mu$ L), NTO, NLE-STD $\times$ 3



Glass Tip Pipette

# Nichipet ECO

- 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 to 10mL )
- Glass tip is secured to the unit with a double O-ring design.
- Comes with a PTFE nozzle and ceramic piston.



Glass Tip



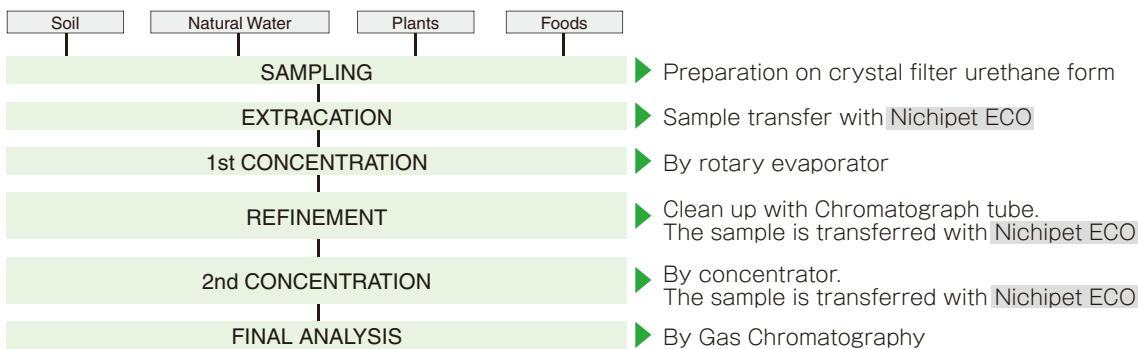
### Specifications

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

Further research into "Environmental Hormone" is strongly requested to clarify the precise cause and effect on the human system and wild living things. Glass tips rather than standard plastic pipette tips are more suitable for this research.



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

Cat. No	Volume range(mL)	Increment(mL)
00-31N-1	0.2 - 1.0	0.1
00-31N-2	0.4 - 2.0	0.1
00-31N-5	1.0 - 5.0	0.5
00-31N-10	2.0 - 10.0	0.5

- Accuracy and Precision ± 1.0% / ≤ 1.0%
- Disposable tips

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

Variable Volume Ultra Macro Pipette

# MODEL 5100

- Two models, each with three standard volume settings.
- Volume change done by placing a volume spacer in the pipette.
- Any special volume spacer between 15 to 25 mL for 5100S and 30 to 50 mL for 5100L is available for special order.



### Specifications

Cat. No	Volume setting(mL)		
00-5100S	15.0	20.0	25.0
00-5100L	30.0	40.0	50.0

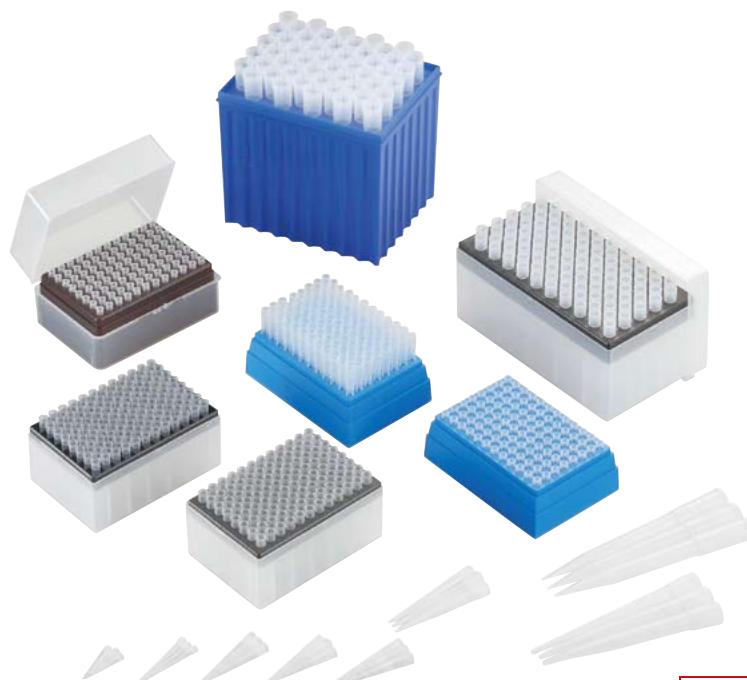
- Accuracy and Precision ± 0.3% / ≤ 0.3%
- Disposable tips

Cat. No	Volume range(mL)	Q'ty(bag)
00-51TS	25.0	5
00-51TL	50.0	5

## Disposable Tips

# MICRO PIPETTE 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.



## Specifications

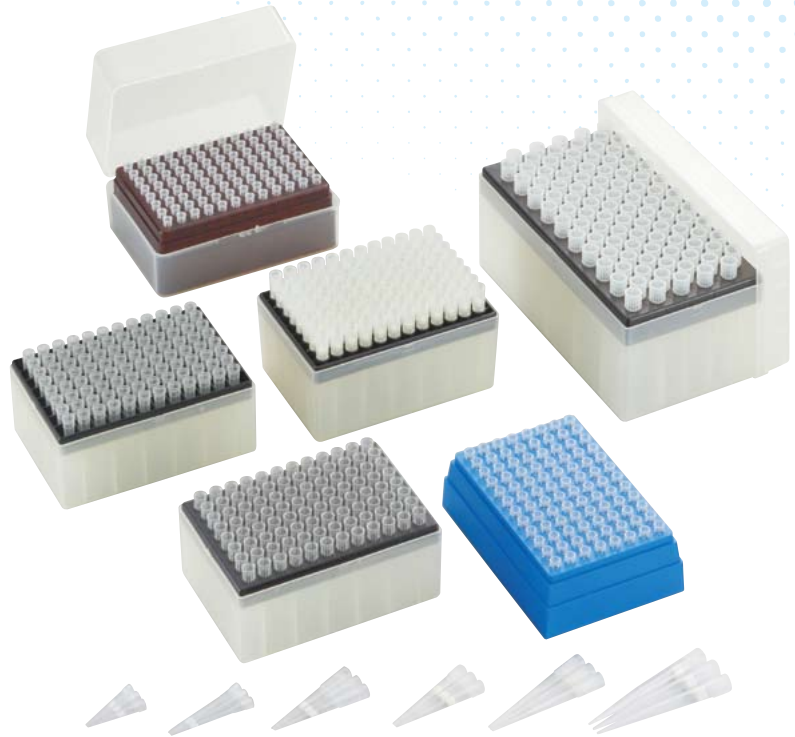
Type	Cat. No.	Specification	Volume range(μL)	Color	Length of tips	Q'ty(box)	Usable models	
UT	00-BMT-UT	Bulk tip	0.1 – 10	Clear	31.4mm	1000	NPP, NPX2, NPLO2-2, NP7-8V, 12V	
	00-BMT-UTR	Racked tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-BMT-UTRB	Racked tip(sterilized)				1000		
	00-CT-UT	Bulk filter tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-CT-UTR	Bulk filter tip(sterilized)				1000		
SS	00-BMT-SS	Bulk tip	0.5 – 10	Clear	45.7mm	1000	NPP, NPX2, NPLO2, NLE, NPF-10	
	00-BMT-SSR	Racked tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-BMT-SSRB	Racked tip(sterilized)				1000		
	00-CT-SS	Bulk filter tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-CT-SSR	Bulk filter tip(sterilized)				1000		
SG	00-BMT-SG	Bulk tip	2 – 200	Clear	53mm	1000	NPP, NPX2, NPLO2, NLE-20, 100, 200, NP7-8S, 8L, 12S, 12L, NPV-S, M, NPF20 – 200	
	00-BMT-SGR	Racked tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-BMT-SGRB	Racked tip(sterilized)	2 – 20			1000		
	00-CT-SG	Bulk filter tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-CT-SGR	Bulk filter tip(sterilized)				1000		
SE	00-BMT-SE	Bulk tip	2 – 200	Clear	51.1mm	1000	NPX2, NPLO2, NLE-20, 100, 200, NPV-S, M, NPF20 – 200	
	00-BMT-SER	Racked tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-BMT-SERB	Racked tip(sterilized)	10 – 100			1000		
	00-CT-SE	Bulk filter tip				960(96pcs.x10 <sup>6</sup> /s)		
	00-CT-SER	Bulk filter tip(sterilized)				1000		
AG	00-CT-AG	Bulk filter tip	20 – 200	Clear	66mm	1000	NPP, NPX2, NPLO2, NLE-200, NPV-M	
	00-CT-AGR	Bulk filter tip(sterilized)				960(96pcs.x10 <sup>6</sup> /s)		
	00-BMT-K	Bulk tip				1000		
K	00-BMT-KR	Racked tip	50 – 300		Clear	58.9mm	1000	NP7-8K, 12K
	00-BMT-KRB	Racked tip(sterilized)					960(96pcs.x10 <sup>6</sup> /s)	
	00-BMT-L	Bulk tip		1000				
L	00-BMT-LR	Racked tip	100 – 1000	Clear		77mm	1000(100pcs.x10 <sup>6</sup> /s)	NPP, NPX2, NPLO2, NLE-1000, NPV-L, NPF500, 1000
	00-BMT-LRB	Racked tip(sterilized)					1000	
	00-CT-L	Bulk filter tip			1000(100pcs.x10 <sup>6</sup> /s)			
	00-CT-LR	Bulk filter tip(sterilized)			200			
	00-BMT-X	Bulk tip			1000 – 5000		132mm	
00-BMT-XR	Racked tip	200						
00-BMT-XRB	Racked tip(sterilized)		1000					
Z	00-BMT-Z	Bulk tip	1000 – 10000	Clear	158mm	200	NPP, NPX2, NPLO2-10000	

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

Filtered Disposable Tips

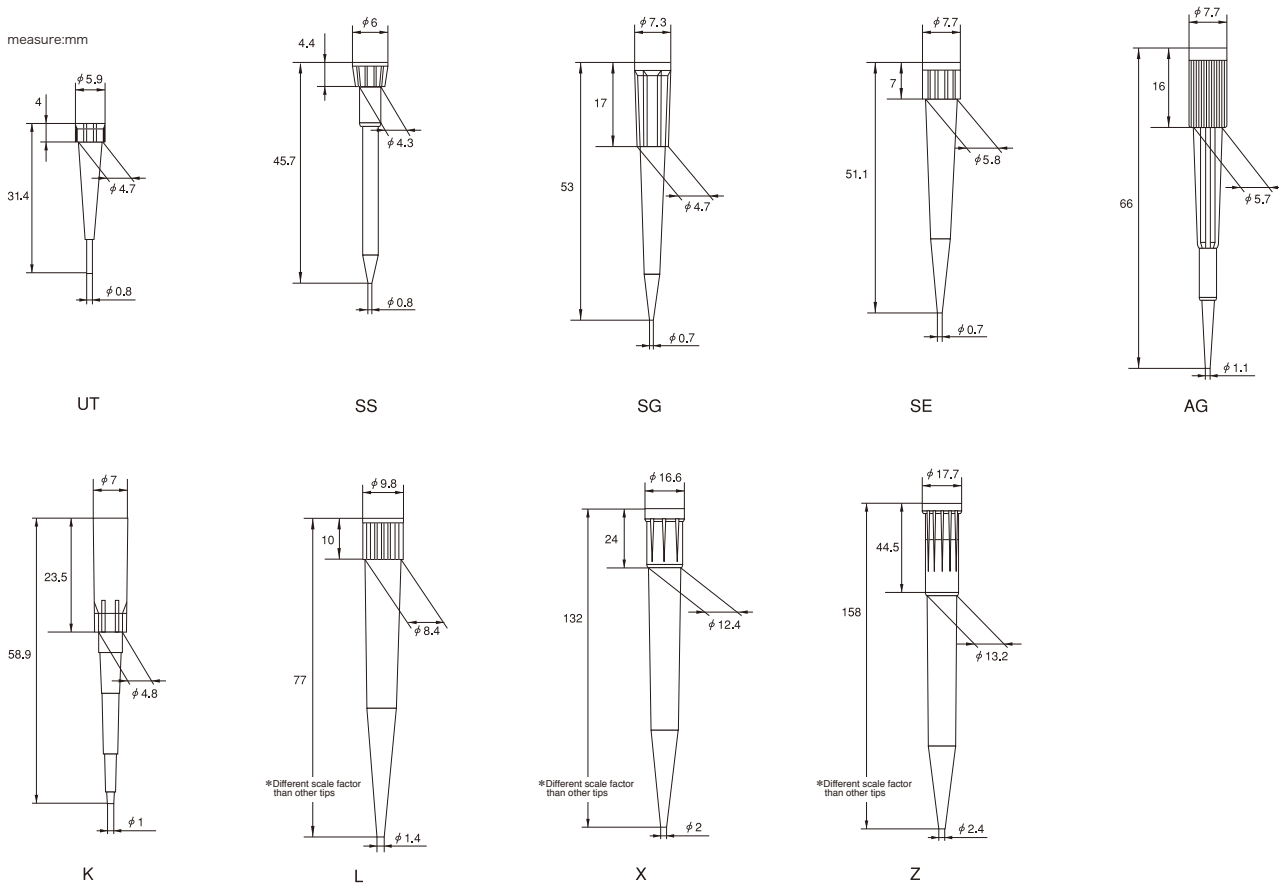
# CLEAN TIP

- Prevents contamination in PCR testing.
- Suitable for virus/bacteria and RI research.
- Sterilized racked tips available for DNA free research.
- No effect on the accuracy by the inside filter.
- Efficient for avoiding carry over thanks to cellulose acetate filters.



## TIP

measure:mm





Ergonomically Designed Repetitive Dispenser

## Nichimate Stepper

- Up to 40 variations of dispensing.
- Suitable for dispensing viscose liquids thanks to the positive displacement system.

### 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	≤8.0 - ≤3.0
00-NS-S	0.5mL	10μL	20μL	30μL	40μL	50μL	±1.5	≤1.4 - ≤0.6
00-NS-M	1.25mL	25μL	50μL	75μL	100μL	125μL	±1.2	≤0.8 - ≤0.5
00-NS-N	2.5mL	50μL	100μL	150μL	200μL	250μL	±0.7	≤0.8 - ≤0.3
00-NS-L	5mL	100μL	200μL	300μL	400μL	500μL	±0.5	≤0.6 - ≤0.3
00-NS-X	12.5mL	250μL	500μL	750μL	1000μL	1250μL	±0.5	≤0.6 - ≤0.3
00-NS-Y	25mL	0.5mL	1mL	1.5mL	2mL	2.5mL	±0.3	≤0.6 - ≤0.3
00-NS-Z	50mL	1mL	2mL	3mL	4mL	5mL	±0.3	≤0.6 - ≤0.2
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-Z	50.0mL syringe(With one attachment)	25
00-NS-S	0.5mL syringe	100	00-NS-SB	0.5mL sterilized syringe	100
00-NS-M	1.25mL syringe	100	00-NS-MB	1.25mL sterilized syringe	100
00-NS-N	2.5mL syringe	100	00-NS-NB	2.5mL sterilized syringe	100
00-NS-L	5.0mL syringe	100	00-NS-LB	5.0mL sterilized syringe	100
00-NS-X	12.5mL syringe	100	00-NS-XB	12.5mL sterilized syringe	100
00-NS-Y	25.0mL syringe (with one attachment)	50	00-NS-ADP	Attachment (for both Y and Z syringes)	1



Syringes for Stepper



Variable Repetitive Syringe Dispenser

## MODEL 8100

- Up to 35 variations of dispensing.
- Easy single handed operation.
- Easy to change volume settings and syringes.
- Suitable for dispensing viscose liquids thanks to the positive displacement system.

### Specifications

Cat. No	Product name
00-8100	MODEL 8100

### Accuracy and Precision

syringe	dial No	1	2	3	4	5	Accuracy(%)	Precision(%)
00-SG-V	0.06mL	1μL	2μL	3μL	4μL	5μL	±2.5	≤4.0 - ≤2.5
00-SG-S	0.6mL	10μL	20μL	30μL	40μL	50μL	±1.5	≤1.5 - ≤1.0
00-SG-M	1.5mL	25μL	50μL	75μL	100μL	125μL	±1.2	≤1.0 - ≤0.8
00-SG-N3	3mL	50μL	100μL	150μL	200μL	250μL	±1.0	≤0.9 - ≤0.6
00-SG-L	6mL	100μL	200μL	300μL	400μL	500μL	±0.8	≤0.8 - ≤0.4
00-SG-Y	15mL	250μL	500μL	750μL	1000μL	1250μL	±0.8	≤0.6 - ≤0.3
00-SG-Z	60mL	1mL	2mL	3mL	4mL	5mL	±1.0	≤1.0 - ≤0.5
Maximum number of dispenses		58	28	18	13	10		

\*Above data of SG-S and SG-M are taken with the syringe having a Nichiryo pipette tip (type TS) on the nozzle.

#### ● Syringes

Cat. No	Description	Q'ty(bag)	Cat. No	Description	Q'ty(bag)
00-SG-V	0.06mL syringe	50	00-SG-L	6.0mL syringe	100
00-SG-S	0.6mL syringe (with 100 TS tips)	100	00-SG-Y	15.0mL syringe	50
00-SG-M	1.5mL syringe (with 100 TS tips)	100	00-SG-Z	60.0mL syringe (With one adapter)	50
00-SG-N3	3.0mL syringe	100	00-SG-ZA	Adapter for 60mL syringe	1



Syringes for 8100



## 8-Channel Variable Repetitive Syringe Dispenser

# MODEL 8800



- Syringe type 8 channel dispenser.
- Suitable for dispensing to 96 well micro plates.
- Up to eight syringes can be selected for dispensing into various types of tissue culture plates.
- Six different volumes between 10μL - 100μL.
- The dispensing speed can be altered.

### Specifications

Cat. No	Description	Q'ty
00-8800	MODEL 8800 (cartridge A&B one each, syringe A&B eight each)	1

### Accuracy and Precision

syringe	dial No	1	2	3	Accuracy(%)	Precision(%)
Syringe A (520μL)		10μL	20μL	40μL	±2.0	≤1.2
Syringe B (1300μL)		25μL	50μL	100μL		
Maximum number of dispenses		50	25	12	Size : 285×82×23mm (with syringes set)	

## Accessory

Accuracy \_\_\_\_\_

Stand \_\_\_\_\_

### 8-Channel Variable Repetitive Syringe Dispenser MODEL 8800



### Ergonomically Designed Repetitive Dispenser Nichimate Stepper

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



### Variable Repetitive Syringe Dispenser MODEL 8100

Cat. No .....00-8100S  
(Acrylic resin)  
Storing capacity ...2pcs

Cat. No	Description	Q'ty
00-88-SAR	Syringe A (520μL)	100
00-88-SBR	Syringe B (1300μL)	100
00-88-CA	Cartridge A (for syringe A)	10
00-88-CB	Cartridge B (for syringe B)	10
00-88-TY	Tray	50
00-8800S	Storing capacity (Acrylic resin) (capacity:2pcs)	1

## Pipette Controller

# Pipette Mate **NEO**

- User Friendly pipette controller, 167g only.
- Long-life Lithium Ion battery installed, 4-hours charging for 1700 times.
- Dial-typed Adjustable speed controller for your choice.
- UV resistant for Clean Bench work.
- Self-standing type without holder.
- Fully autoclavable spare parts. ( Nosecone, Silicon Holder and Filter)
- Complies with CE and RoHS.



### 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 0.1 to 100mL *Plastics and glass pipettes not sold by Nichiryo

### ● Parts and disposables

Cat. No	Description
00-PM-N003	Battery cover
00-PM-N005	Head fitting
00-PM-N013	Tube holder
00-PM-N018	Battery L14430-600mAh /w cable
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.

## Digital 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

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.**

- 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.



## 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 treads compatible with 500mL and 1L bottles for free combinations. ( ) indicates the height when the scale post is lying down.

\*Bottle top adapter for 2L bottles available.

## Variable Volume Bottle-top Dispenser

**DISPET**

- 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.



## 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 treads for all bottle sizes are the same.

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



## Autoclavable Bottle-top Dispenser

# DISPET EX

- Autoclavable. (121°C for 20 minutes)
  - 3 sized adaptors for fitting with various types of bottles.
  - Chemical-guard materials used for liquid contact parts.
  - Adjustable Inlet tube for various types of bottles.
  - Liquid returning mechanism for minimizing the waste of reagents.
- \*Bottles are available as optional parts.



### Specifications

Cat. No	Volume range(mL)	Increment(mL)	Accuracy(%)	Precision(%)	Thread	Attached adapters
00-DPX-25	0.25 – 2.5	0.05	±0.6	≦0.1	GL-32	GL-28, GL-38, GL-45
00-DPX-50	0.5 – 5.0	0.1	±0.5	≦0.1	GL-32	GL-28, GL-38, GL-45
00-DPX-100	1.0 – 10.0	0.2	±0.5	≦0.1	GL-32	GL-28, GL-38, GL-45
00-DPX-250	2.5 – 25.0	0.5	±0.5	≦0.1	GL-45	GL-28, GL-32, GL-38
00-DPX-500	5.0 – 50.0	1	±0.5	≦0.1	GL-45	GL-28, GL-32, GL-38
00-DPX-1000	10.0 – 100.0	2	±0.5	≦0.1	GL-45	GL-28, GL-32, GL-38

## Bottle-top Dispenser

# DISPET Mini

- Suitable for repetitively micro volume dispensing.
  - Light and compact model for easy-to-carry-out.
  - Chemical-guard materials used for liquid contact parts.
- \*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
00-DPM-2000	1000 / 2000	±1.0	≦0.2	GL-28

## Discontinued and support expiry product information

The following products are discontinued.

Please note that some of the products cannot be repaired due to expired support periods.

### Automatic Dispensers

Product name	Final date of sales	Support period	Replacement
 Mipenser	<b>March 1996</b>	Expired	MILUTOR-III
 NSP-7000	<b>March 1996</b>	Expired	NSP-7000III NSP-7000R
 MilutorII	<b>May 1996</b>	Expired	MILUTOR-III
 DDU-5000IV	<b>July 2001</b>	Expired	DDU-5000III GDP-I.GDP-II
 Macromaster	<b>May 2003</b>	Expired	N/A
 DDU-5000II	<b>February 2004</b>	Expired	DDU-5000III GDP-I.GDP-II
 DNA-GR	<b>August 2010</b>	Until August 2015	_____

### Pipettes and Dispensers

Product name	Final date of sales	Support period	Replacement
Autoclavable 5000 DG	<b>August 1998</b>	Expired	Nichipet EXII Nichipet EX PlusII p09 p07
MODEL 7000	<b>March 2000</b>	Expired	Nichipet 7000 p11
MODEL 500	<b>March 2004</b>	Expired	DISPET p20
MODEL 800	<b>March 2005</b>	Expired	N/A
Compet Clear	<b>March 2006</b>	Expired	N/A
ACCUPENSER JR. Code : AJ-30	<b>August 2010</b>	Until August 2015	DISPET EX p21
Nichipet EX	<b>October 2011</b>	Until October 2016	Nichipet EXII p09
Nichipet EX Plus	<b>October 2011</b>	Until October 2016	Nichipet EX PlusII p07

[www.nichiryō.co.jp/en/](http://www.nichiryō.co.jp/en/)

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