

Nichipet EX Plus

A value added model of Nichipet EX
With new mechanism and additional functions.

- Chemically resistant
- Easy "one-touch" calibration
- ISO8655 Calibration Certificate attached



This is the new mechanism and value added Nichipet EX with well-recognized.

● Advanced durability against organic solvent dispensing

Perfluoro rubber O-ring has been installed in the pipette.
The durability of air sealing is enhanced in time of organic solvent dispensing.

- * Perfluoro rubber is material of low cubical expansion against organic solvent and can keep its performance longer than fluorocarbon rubber.
- * Note that this feature does not guarantee dispense accuracy of an organic solvent.

Chemicals	Temperature	Test days	Perfluoro rubber	Fluorine rubber
Organic acid				
Gracial acetic acid	40°C	8	A	C
Acetic anhydride	40°C	8	A	C
Inorganic alkalies				
28% Ammonia water	40°C	21	A	D
Ketone, Ester, Ether				
Acetone	40°C	21	B	D
Diacetone	40°C	21	A	C
Acetylacetone	40°C	21	A	D
Methyl acetoacetate	40°C	21	A	C
Acrylic acid	40°C	21	A	C
Diethyl oxalate	40°C	21	A	D
Diethyl ether	25°C	21	B	C

Chemicals	Temperature	Test days	Perfluoro rubber	Fluorine rubber
Furan, Aldehyde				
Acetaldehyde	25°C	21	B	D
Acetophenone	40°C	21	A	C
Inclusive nitrogen compound				
Acrylic nitrile	40°C	21	A	C
Ethylene diamine	40°C	21	B	D

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

● Easy calibration mechanism

Major modification of internal mechanism for easier calibration.

- * We do not guarantee any calibration data obtained by end users outside.
- * In case calibration certificate is needed, please return the pipette to our factory or authorized distributors.

● ISO8655 Calibration Certificate

ISO8655 Calibration Certificate will be enclosed with every pipette.

● Unchanged features

Totally autoclavable (121°C 20min)
Enhanced UV resistance.

The pipetting volume covers from 0.1 μ l to 10ml at 8 models as widely used volume range for research works.



Cat.No.	NPLO-2			NPLO-10			NPLO-20			NPLO-100			NPLO-200			NPLO-1000			NPLO-5000			NPLO-10ML			
Volume range	0.1~2 μ l			0.5~10 μ l			2~20 μ l			10~100 μ l			20~200 μ l			100~1000 μ l			1000~5000 μ l			1000~10000 μ l			
Measured volume	0.1 μ l	1 μ l	2 μ l	0.5 μ l	5 μ l	10 μ l	2 μ l	10 μ l	20 μ l	10 μ l	50 μ l	100 μ l	20 μ l	100 μ l	200 μ l	100 μ l	500 μ l	1000 μ l	1000 μ l	2500 μ l	5000 μ l	1000 μ l	5000 μ l	10ml	
AC%	*	\pm 5.0	\pm 3.0	\pm 5.0	\pm 1.0	\pm 1.0	\pm 5.0	\pm 1.0	\pm 1.0	\pm 2.0	\pm 1.0	\pm 0.8	\pm 1.0	\pm 0.8	\pm 0.8	\pm 1.0	\pm 0.8	\pm 0.7	\pm 1.0	\pm 0.8	\pm 0.6	\pm 2.0	\pm 0.8	\pm 0.4	
CV%	*	<2.5	<1.0	<3.0	<1.0	<0.5	<3.0	<1.0	<0.4	<1.0	<0.3	<0.3	<0.5	<0.3	<0.2	<0.5	<0.3	<0.2	<0.3	<0.3	<0.2	<0.4	<0.3	<0.2	
Increments (μ l)	0.002 μ l			0.01 μ l			0.02 μ l			0.1 μ l			0.2 μ l			1 μ l			10 μ l			10 μ l			
Usable tips	Bulk	BMT-UT			BMT-SS			BMT-SE,SG			BMT-SE,SG			BMT-SE,SG			BMT-L			BMT-X			BMT-Z		
	Racked	BMT-UTR			BMT-SSR			BMT-SER,SGR			BMT-SER,SGR			BMT-SER,SGR			BMT-LR			BMT-XR			—		

- *The AC and CV values below 0.2 μ l by NPLO-2 largely depend on the operator's skill and the environment under which the pipette is used.
- *The AC and CV values are the value by use of the disposable tip described in this leaflet.
- *The specification and price are subjected to change due to modification for quality improvement without notice.

<http://www.nichiryo.co.jp>

Distributor

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