

Многоканальная система автоматического отбора проб NSP-7000R

Технические характеристики

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Nichiryo Multi-Channel System

NSP 7000 SERIES

Multi-Channel Auto Sampling System

NSP-7000R

NSP-7000R

Dimension	300mm (W) × 645mm (D) × 585mm (H)
Dimension to install	300mm (W) × 810mm (D) × 585mm (H)
Weight	Approx. 42kg
Usable tip	NICHIRYO HT-FSR & HT-FSR-B for robotic system (racked)
Usable microplate	SBS standard 96 well (for deep-well plate or mini-tube plate, please contact us)
Nozzle head	220ul × 12ch
Sampling volume (warranty range) (Setting is available from 1ul)	10-220ul
Accuracy and CV	<±2.8% AC, <2.8% CV at 10ul <±0.8% AC, <0.8% CV at 220ul
Working stage	3 positions : Tip rack, Reservoir (30mix4 trays), Microplate
Liquid surface sensing	N/A
Dispensing speed	1 microplate dispensing 100ul with 12ch head — approx. 45 sec.
Microplate mixer	Built-in working stage
Power source	AC 100-120V or AC 200-240V 50/60Hz 150VA(100V)

■ HT series tips for robotic system and reservoir



7000
R

No.	Name	Volume	Contents
00-HT-FS	Bulk tip for robotic system	10-220ul	1000
00-HT-FSR	Racked tip for robotic system		960
00-HT-FSR-B	Racked tip for robotic system (sterilized)		

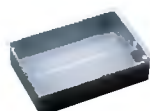


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No.	Name	Contents
00-NSP-RSV	4 tray reservoir	1

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No.	Name	Contents
00-NSP-RSV-NF	Tray for reservoir	4



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No.	Name	Contents
00-NSP-RSV80	Large volume reservoir (without frame)	50

※Specification is subject to change without notice.
 ※Windows is the trademark of Microsoft company.
 ※Pentium is the trademark of Intel company.

NSP-7000R

Smooth operation

Come back as more silent system

Small foot-print design

Compact design for desk top operation

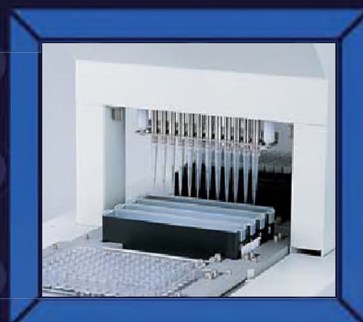
Simple keypad operation

No PC assistance



Built-in keypad panel

Interactive programming



Multi channel operation

Both in 8ch & 12ch way



Microplate mixing stage

NSP-7000R is the compact liquid sampling system for desktop operation. NSP-7000R is more silent and smooth than the former model NSP-7000. This is an excellent system for microplate operation such as reagent dispensing, sample dispensing, serial dilution and on-plate transferring.

- **New disposable tips are replaced automatically to ensure carryover free operation.**
- **High speed and safety operation with good accuracy and precision.**
- **3 positions sliding work stage accepts disposable tip rack, reagent reservoir and microplate in 8ch or 12ch way.**
- **No PC, a built-in keypad panel is designed for easy programming and operation.**

There are five variable dispensing modes.

● **Mode 2 Reagent dispensing**

A reagent can be transferred to a row of wells in a labware from a vessel for one time dispensing.

● **Mode 3 Continuous dispensing of reagents and samples**

A reagent can be transferred to multiple wells in a labware for sequential dispensing.

● **Mode 4 Serial dilution**

Perform serial dilution in any ratio. Perform serial dilutions either 8 wells across or 12 well across.

● **Mode 5 Plate to plate transfer of samples**

Transfer samples between source plate and assay plate. Perform replica plating.

● **Mode 6 On-plate transfer (moving within the same plate)**

Pick-up and dispense in a row one after another on the same labware at the mixing stage.

- **Link files for complex liquid handling requirement by Mode 7. (maximum 100 files)**

- **Easy to call protocols to operate from memory.**

- **Wide volume range of 1-220ul in increments of 1ul.**

- **Excellent for examination of HIV and HCV by condensation method and ELISA method.**

- **Microplate mixer installed as standard option.**

NSP-7000R system

Sliding work stage, 220ul×12ch nozzle head, plate mixer

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