

PepAxis-Nova 3 Peptide Synthesizer Product Catalog



PepAxis–Nova 3 Peptide Synthesizer



PepAxis–Nova 3 Basic Edition

Number of Channels: 2/4/6

Reactor Volume: 25/50 mL

Amino Acid Positions: 28

Synthesis Scale: 0.1–0.6 mmol

Dimensions (W × D × H): 82 cm × 62 cm × 92 cm

PepAxis–Nova 3 Upgraded Version

Number of Channels: 2/4/6

Reactor Volume: 10/30 mL

Amino Acid Positions: 28

Synthesis Scale: 0.1–0.5 mmol

Dimensions (W × D × H): 82 cm × 62 cm × 92 cm

The Nova 3 (formerly 386pro) peptide synthesizer is a fully automated intelligent platform designed specifically for multi-task parallel synthesis. The instrument offers flexible configurations with 2, 4, or 6 channels and supports independent parallel or asynchronous synthesis modes. Each channel can simultaneously synthesize peptides with different sequences, scales, and synthesis methods, truly achieving “one machine, multiple uses.” Equipped with a high-precision quantitative dispensing system, the instrument ensures accurate reagent dosing. Each channel supports independent configuration of synthesis parameters (such as activation method, reaction time, and deprotection time), significantly enhancing synthesis flexibility. Its efficient and reliable synthesis capabilities make it ideally suited for cutting-edge applications such as parallel preparation of multiple sequences, peptide drug screening, structure-activity relationship studies, and library construction.

PepAxis–Nova 3 Peptide Synthesizer

Technical Specifications	Basic Edition	Upgraded Version
Number of Channels	2/4/6	2/4/6
Composition Mode	Asynchronous synthesis	Independent synthesis
Operating Mode	For each amino acid, you can choose: different activation reagents, different coupling times, and different deprotection times	For each amino acid, you can select: different activation reagents, different coupling times, different deprotection times, and each channel supports on-demand start/stop control. Supports independent temperature control.
reactor	25/50 mL	10/30 mL
Production capacity	0.1~0.6mmol	0.1~0.5mmol
Temperature control method	Hot air (overall temperature control)	Electromagnetic induction (independent temperature control)
Hybrid mode	Vortex agitation/nitrogen bubbling	Vortex agitation/nitrogen bubbling
Amino acid residue	28, quantitative dispensing, accuracy: 0.1 mL	28, quantitative dispensing, accuracy: 0.1 mL
Activating reagent site	4	4
Solvent position	4~6	4~6
Solvent transfer	Quantitative dispensing, accuracy: 0.1 mL	Quantitative dispensing, accuracy: 0.1 mL
Pre-activation	/	Support
Special Ingredients Section	/	8 (optional)
UV detection	Optional	Optional
Dimensions (W × D × H):	82cmx62cmx92cm	82cm×62cm×92cm

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