

PepAxis-Nova 7 Peptide Synthesizer Product Catalog



PepAxis-Nova 7 High-Throughput Asynchronous Peptide Synthesizer



PepAxis-Nova 7

Number of Channels: 12/24

Reactor Volume: 10/30 mL

Amino Acid Positions: 28

Synthesis Scale: 0.1-0.6 mmol

Dimensions (W × D × H): 100 cm × 65 cm × 178 cm

The Nova 7 High-Throughput Asynchronous Peptide Synthesizer is a new-generation, fully automated intelligent platform designed specifically for high-throughput, multi-task parallel synthesis applications. The system employs an asynchronous synthesis mode and offers flexible 12- or 24-channel configurations. Each channel supports the simultaneous execution of different sequences, scales, and synthesis methods, achieving true “multi-purpose” functionality.

The device is equipped with a high-precision quantitative dispensing system with a sampling accuracy of 0.1 mL, ensuring the accuracy of reagent ratios during micro-scale synthesis; it supports independent channel settings for activation methods, reaction times, and deprotection processes, and allows for real-time start/stop or adjustment, greatly enhancing synthesis flexibility; combined with a customizable pre-activation module and channel-independent timing management functions, it effectively improves the success rate of synthesizing difficult sequences. It effectively meets the high-standard requirements of application scenarios such as peptide drug screening, structure-activity relationship studies, and peptide library construction.

PepAxis–Nova 7 Peptide Synthesizer

Technical Specifications

Channel: 12/24

Synthesis mode: Asynchronous synthesis

Operating Mode: For each amino acid, you can select different activation reagents, different coupling times, and different deprotection times. Each channel supports on-demand start/stop, and pre-activation is supported.

Reactor: 10/30 mL

Synthesis scale: 0.1–0.6 mmol

Temperature control method: Hot air (whole unit)

Hybrid mode: Nitrogen bubbling

Amino acid residues: 28, 125/250 mL

Special ingredient slots: 8, single-use (optional)

Number of activation reagent positions: 4, 125/250 mL

Solvent capacity: 4–6 units, 0.5–10 L, etc.

Solvent delivery: volumetric dispensing, accuracy of 0.1 mL

Dimensions (W × D × H): 100cm × 65cm × 1780cm

DILUNBIO

Beijing Dilun Biotechnology Co., Ltd.

Add: Tiantong Science Park, Changping District, Beijing

Tel: 010-84813519

E-mail : Yue@dilunbio.com

Web : www.dilunbio.com www.peptidescientifc.com www.peptidescientifc.cn