

PRODUCT LIST

R&D Peptide Synthesiser

Type	Channels	Reactor/mL	Scale/mmol	Resin/g	TCM
319 Pro	1	25 / 50	0.1~0.6	0.1~1	Air or Water
		50 / 100 / 250	0.2~3	0.2~5	Air or Water
286 Pro	3 or 6	25 / 50	0.1~0.6	0.1~1	Air or Water
		50 / 100 / 250	0.2~3	0.2~5	Air or Water
386 Pro	6 or 12	25 / 50	0.01~0.6	0.1~1	Air or Water
386 MW	1 or 12	30 / 120	0.1~1.5	0.1~2	MicroWave

R&D Peptide Cleavage Equipment

Type	Channels	Reactor/mL	Scale/mmol	Resin/g	TCM
431	6	10 ~ 500	0.1~10	0.2~20	N/A

Pilot & Production Scale Peptide Synthesizer

Type	Channels	Reactor/L	Scale/mmol	Resin/g	TCU
286 Max	2	0.5/1/2	2~25	2~40	Water
486 Pro	1	0.5/1/2	2~25	2~40	Water
		1/2/5	4~60	4~100	Water
586 Pro	1	2/5/10	8~120	8~200	Water
		10/20/30	20~360	20~600	Water

Industrial-Grade Peptide Cleavage System

Type	Channels	Reactor/L	Scale/mol	Resin/kg	TCM
686	1	50	0.3~0.6	0.5~1	Water/Ethylene Glycol
		100	0.6~1.2	1~2	
		300	1.8~3.6	3~6	
		500	3.6~7.2	6~12	

Industrial-Grade Peptide Synthesizer System

Type	Channels	Reactor/L	Scale/mol	Resin/kg	TCM
DL-PC	1	20~250L	1.8~3.6	0.2~6	Water/Ethylene Glycol

*Tetras Multiple Peptide Synthesizer

Type	Channels	Reactor/mL	Scale/mmol	Resin/g	TCU
Tetras	106	7/20/60	0.01~1.5	0.01~3	Warm Wind

Note: TCM means Temperature Control Medium, TCU means Temperature Control Unit

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386 MW Microwave Peptide Synthesizer



Type	Channels	Reactor (mL)	Amino Acid Positions	Activator Positions	Solvent Positions	Dimensions (cm)
386 MW	1 or 12	30/120	28	4	4~7	77.5×55×84

386 MW Microwave Peptide Synthesizer. This fully automated system utilizes microwave energy to accelerate and optimize solid-phase peptide synthesis. Compared to traditional water bath or convection heating, microwave irradiation significantly enhances reaction rates for critical steps such as amino acid coupling and deprotection, reducing required times to 1/30~1/10 of conventional methods. It typically improves product purity and reduces side reactions, though Cysteine, Histidine, and Aspartic acid may undergo racemization under microwave conditions. This instrument is essential for modern peptide drug development, biochemical research, and materials science, particularly for synthesizing challenging peptides.

Technical Parameters

- Channels: 1 or 12
- Reactor Volume: 30/120 mL
- Scale: 0.1~1.5 mmol
- Synthesis Sequence: Sequential synthesis per peptide chain
- Temperature Control: Microwave
- Amino Acid Positions: 28
- Amino Acid Bottles: 25~100 mL
- Activation Reagents: 4 , quantitative extraction (accuracy: 0.1 mL)
- Activator Bottles: 50 mL / 100 mL
- Solvent Positions: 4~7
- Solvent Tanks: 0.5L, 1L, 2L, 10L
- Power Supply: 110/220 V, 50/60 Hz
- Dimensions: 77.5 cm (W) × 55 cm (D) × 84 cm (H)
- Weight: 75 kg

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