

Automated Peptide Solid-phase Synthesizer

CYCROSS

Feature 1 Parallel synthesis of up to eight peptides

Eight types of peptides can be synthesized at a time to reduce loss of time for reactions. One to eight synthetic lines are selectable.

Feature 2 High-speed reaction and cleaning cycles with syringe pumps

Eight syringe pumps perform suction and discharge for efficient reaction and cleaning.

Feature 3 Customizable reaction conditions and cycles

Reaction conditions can be changed and saved, which enables easy switching between preset conditions.

Feature 4 Low cost and accessible entry model

An ideal entry model with necessary functions at low price.



Rack Arrangement

Piperidine

For piperidine containers
Up to 8 containers

Reaction tube and shaker

For reaction vessels
for forming peptides
Shaking and heating
Draining by a vacuum pump

Cleaning port

For needle cleaning

Condensing agent

For two types of condensing agent
Up to 8 bottles for each type
of condensing agent

Amino acid

20 bottles of amino acids per line
Up to 160 bottles in all lines

Software



The main screen displays various settings, operations, and processes.

A Operating Buttons

B Parameter Settings

C Selecting File to Run

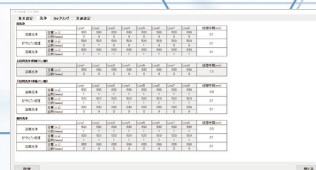
D Manual Operation

E Process Review

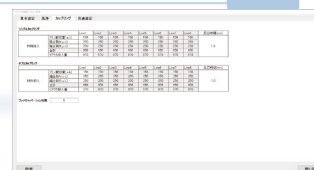
Parameter settings are divided into four steps: basic setting, cleaning, coupling, and common setting, to provide a clear picture of each step.



Basic Setting



Cleaning



Coupling



Common Setting

Specifications

	6-Line	8-Line
Model	OH-SP-1-6	OH-SP-1-8
Standard Synthesis Time	Approx. 1 hour/cycle	
Synthesis Scale	10–50 $\mu\text{mol}/\text{line}$	
Number of Amino Acids	20 (10 for double coupling)	
Power Supply	AC 100 V/900 W	
Dimensions (Width × Depth × Height)	550 × 590 × 560 mm	



DFC Co., Ltd. / Device for FlowChemistry

611-0033

Uji Venture Business Incubation Factory (Uji VFI) Building 2
1-25 Nishinohata, Okubo-cho, Uji-shi, Kyoto

MAIL info@dfc-kyoto.co.jp URL https://dfc-kyoto.co.jp

Business Description

- Development and sales of laboratory equipment

Fields of Expertise

- Flow chemistry
- Liquid chromatography and HPLC
- Laboratory equipment for other applications