



MICROPLATE WASHER

MICROPLATE WASHER BHO1B1

MICROPLATE WASHER

Microplate Washers are laboratory instruments designed to control the procedure of washing experimental samples arranged in plate-based formats. A dependable washer is quite easy to clean and leaves no residue, preventing contamination and reducing background.



Easy Windows operation system, large LCD display.
Washes flat, U and V-bottom strips and plates.
12-way or 8-way manifold, automatic and manual positioning.
Large memory up to 50 wash protocols can be programmed.
Automatic monitoring for vacuum and pressure, automatic rinse cycle.
Washing pressure volume and time adjustable.
Liquid level detection and alert function.
No special airtight bottle required for washing bottles.
Easy maintenance.

SPECIFICATIONS

Model	BHO1B1
Old Model	BMRW-103
Display	5 inch LCD
Interface	RS-232 serial port
Power Supply	AC 100V-240V, 50 Hz/60 Hz
Dimension	390L x 330W x 177H mm
Plate Type	96-well plate or 48-well plate or strip
Dispense Precision	CV < 2%
Residual Volume	< 3 µL
Washing Volume	50-3000 µL for 8-way manifold, 50-2000 µL for 12-way manifold
Washing Cycle	Maximum 99 cycles
Strip Washing	1 to 12 channels adjustable
Soaking Time	0-24 hr
Bottle Capacity	2 litres each
Memory	50 washing protocols
Net Weight	9 kg
Alt Name	Microplate Washer

APPLICATIONS

ELISA, Cell-Based Assays, Microsphere-Based Assays.

MICROPLATE WASHER BHO1C1

MICROPLATE WASHER

Microplate Washers are laboratory instruments designed to control the procedure of washing experimental samples arranged in plate-based formats. A dependable washer is quite easy to clean and leaves no residue, preventing contamination and reducing background.



User friendly operation system with large LCD display.
Washes flat, U and V-bottom strips and plate.
12-way or 8-way manifold, automatic and manual positioning.
Large memory, up to 100 wash protocols can be programmed.
Multi-channel, 1 or up to 3 for wash, 1 for rinse and 1 for waste.
Plate shaking function, time and speed are adjustable.
Two 96-well plate incubation positions (optional).
Liquid level detection and alert function.
Easy maintenance.

SPECIFICATIONS

Model	BHO1C1
Old Model	BMRW-104
Display	Large LCD
Interface	RS-232
Power Supply	AC 110V-220V, 50 Hz
Dimension	450L x 390W x 190H mm
Plate Type	96-48-well plate or strip
Residual Volume	<3 μ L
Washing Volume	10~3000 μ L/well, 1 μ L by step
Washing Cycle	Maximum 99 cycles
Strip Washing	1 to 12 strips programmable
Soaking Time	0~24 hr
Shaking Time	0~24 hr
Memory	99 washing protocols
Wash Channels	5 channels, 1 or up to 3 for wash, 1 for rinse, and 1 for waste
Net Weight	13 kg
Incubator Temperature (optional)	25°C, 30°C, 37°C
Alt Name	Microplate Washer

APPLICATIONS

Cell-Based Assays, Microsphere-Based Assays, ELISA.

MICROPLATE WASHER BFA1G1

AUTOMATIC MICROPLATE WASHER

The automatic microplate washer is used to clean some residual substances after the detection of the ELISA plate, so as to reduce the errors caused by the residues in the subsequent detection process. It is widely used in scientific research laboratories, quality inspection bureaus, agricultural animal husbandry, feed enterprises, food enterprises and other testing fields.



The amount of residual liquid is low, with an average of $\leq 0.65 \mu\text{L}$ per well, which effectively eliminates high background signals, and the results of enzyme label analysis are more reliable.

Adopts 7-inch high-definition color screen display, full capacitive touch, intuitive and convenient operation, friendly human-computer interaction.

The microplate can be soaked and shaken at the same time, and the soaking is more thorough.

It has three kinds of linear vibration plate strength, high, medium and low, with low vibration noise.

The instrument has an automatic flushing function, and the pipeline in the washing bottle has a built-in filter screen, which can effectively avoid pipeline blockage.

SPECIFICATIONS

Model	BFA1G1
Old Model	BMRW-301
Washing head	1x8, 1x12
Washing bottle	3x2L washing bottle, 1x4L waste bottle
Suitable microplates	96 well
Applicable plate type	Flat bottom, U-shaped, V-shaped, C-shaped
Injection volume accuracy	$\leq 2\%$ @300uL
Injection volume precision	CV<1.5%@300uL
Residual liquid	$\leq 0.65\text{uL}$ (average per well)
Washing volume	50uL-2000uL increment 50uL
Washing times	1-99 times
Soaking and shaking time	0-99:59m:s
Shaking speed	off, slow, medium, fast
Aspiration time	0-99.9s
Aspirate mode	One point, two point, more point
Liquid injection coefficient	0-2.0
Wash solution channel	Have
Alarm for insufficient washing liquid	Yes
Waste liquid overflow alarm	Yes
Waste liquid discharge	Yes
Number of program storage	500 (Support U disk mass storage)
Communication Interface	USB2.0, LAN
Input power	AC 220V 50/60Hz
Fuse	250V, 5A $\Phi 5 \times 20$
Dimensions	W.350xD.475xH.180mm
Net weight	11.5Kgs
Alt Name	Automatic Microplate Washer

ITEMS INCLUDED

No	Name	Accessories code	Description
1	washing heads	AMW-A	1X8/96
2	washing heads	AMW-B	1X12/96



1



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FEATURES

The amount of residual liquid is low, with an average of $\leq 0.65 \mu\text{L}$ per well, which effectively eliminates high background signals, and the results of enzyme label analysis are more reliable.

Adopts 7-inch high-definition color screen display, full capacitive touch, intuitive and convenient operation, friendly human-computer interaction.

The microplate can be soaked and shaken at the same time, and the soaking is more thorough.

It has three kinds of linear vibration plate strength, high, medium and low, with low vibration noise.

The instrument has an automatic flushing function, and the pipeline in the washing bottle has a built-in filter screen, which can effectively avoid pipeline blockage.

With single-point, two-point and multi-point suction modes, cleaning is more thorough.

Can set to perform single, cross-row, and whole-board cleaning;

Pipeline flushing and distilled water washing functions can be set, and the flushing time can be adjusted.

With a pause function, can also continue to completely perform the subsequent plate washing procedures .

The instrument has the function of liquid level monitoring, which continuously monitors the liquid level status.

Automatic alarm function when the washing bottle is used up, automatic alarm function when the waste liquid bottle is full, and automatically stop the operation.

It can store 500 washing programs, and the program supports 99 times cycles.

Support 8-pin, 12-pin needle cleaning head, and the cleaning head can be disassembled for cleaning.

Suitable for flat bottom, U-shaped, V-shaped and C-shaped microplates.

The position of the cleaning head is accurate to 0.1mm, suitable for various 96-well microplates.

The pipe joint connection adopts snap button, which is convenient for installation.

Insert the mouse into the USB port to operate the instrument, and support importing, exporting programs and updating the system from the U disk.

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96-way manifold, automatic and manual positioning.
Multi-channel, 3 for wash, 1 for rinse and 1 for waste.
Plate shaking function, time and speed are adjustable.
User friendly operation system with large LCD display.
Washes flat, U and V-bottom strips and plate.
Large memory, up to 100 wash protocols can be programmed.
Liquid level detection and alert function.
Easy maintenance.

SPECIFICATIONS

Model	BHO1D1
Old Model	BMRW-105
Display	Large LCD
Interface	RS-232

Power Supply	AC 110/220V±10%, 50±1 Hz
Dimension	610L x 460W x 240H mm
Plate Type	96-well plate or strip
Residual Volume	<1 µL
Washing Volume	50~3000 µL/well, 10/50 µL continuously adjustable
Washing Cycle	Up to 99 cycles
Strip Washing	Wash 2 plates at a time, 1-8 strips programmable
Soaking Time	0-24 hr
Shaking Time	0-24 hr
Memory	100 washing protocols and 10 plate protocols
Wash Channels	5 channels, 3 for wash, 1 for rinse, and 1 for waste
Net Weight	23.8 kg
Alt Name	Microplate Washer

APPLICATIONS

ELISA, Cell-Based Assays, Microsphere-Based Assays.



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