AMW–3000 Automatic microplate washer

Pre–Processing Equipments

Introduction

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.

Characteristics:

1. The amount of residual liquid is low, with an average of ≤0.65 μL per well, which effectively eliminates high background signals, and the results of enzyme label analysis are more reliable.
2. Adopts 7–inch high–definition color screen display, full capacitive touch, intuitive and convenient operation, friendly human–computer interaction.
3. The microplate can be soaked and shaken at the same time, and the soaking is more thorough.
4. It has three kinds of linear vibration plate strength, high, medium and low, with low vibration noise.
5. 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.
6. With single–point, two–point and multi–point suction modes, cleaning is more thorough.
7. Can set to perform single, cross–row, and whole–board cleaning;
8. Pipeline flushing and distilled water washing functions can be set, and the flushing time can be adjusted.
9. With a pause function, can also continue to completely perform the subsequent plate washing procedures .
10. The instrument has the function of liquid level monitoring, which continuously monitors the liquid level status.
11. 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.
12. It can store 500 washing programs, and the program supports 99 times cycles.
13. Support 8–pin, 12–pin, and double–row needle cleaning head, and the cleaning head can be disassembled for cleaning.
14. Suitable for flat bottom, U–shaped, V–shaped and C–shaped microplates.
15. The position of the cleaning head is accurate to 0.1mm, suitable for various 96–well microplates.
16. The pipe joint connection adopts snap button, which is convenient for installation.
17. Insert the mouse into the USB port to operate the instrument, and support importing, exporting programs and updating the system from the U disk.

Acessories:

AMW–A:1X8/96 washing heads

AMW–B:1X12/96 washing heads

AMW–C:2X8/96 washing heads（Optional)

Technical parameter

Model	AMW–3000	Aspirate mode	One point, two point, more point
Wishing head	1x8, 2x8, 1x12	Liquid injection coefficient	0~2.0
Washing bottle	3×2L washing bottle, 1×4L waste bottle	Wash solution channel	Have
Suitable microplates	96 well	Alarm for insufficient washing liquid	Yes
Applicable plate type	Flat bottom, U–shaped, V–shaped, C–shaped	Waste liquid overflow alarm	Yes
Injection volume accuracy	≤2%@300uL	Waste liquid discharge	Yes
Injection volume precision	CV≤1.5@300uL	Number of program storage	500 (Support U disk mass storage)
Residual liquid	≤0.65uL(average per well)	Communication Interface	USB2.0, LAN
Washing volume	50uL~2000uL increment 50uL	Input power	AC 220V 50/60Hz
Washing times	1~99 times	Fuse	250V, 5A Φ5x20
Soaking and shaking time	0–99:59m:s	Dimensions	W.350xD.475xH.180mm
Shaking speed	off, slow, medium, fast	Net weight	11.5Kgs
Aspiration time	0~99.9s		