

ELISA Microplate Readers & Washers





Microplate Washers are the best choice to complement any microplate reader that provides washing capabilities for research ELISA applications. Microplate washers feature with LCD color display with GUI local language versions, and non-pressurized bottles for optimal ease-of-use, convenience, and safety. Protocols for all Microplate Washers are supplied with the instrument. There is also memory for up to 200 groups of coating, washing and sealing programs (preview, delete, call, and support for changing) protocols. Dispensing and aspiration probes are paired to avoid overfilling of well. The plate washer is available in a 1-channel, a 4 -channel version.

Microplate Washers IMW- 500

Microplate Washers IMW- 500 is known for their reliability and versatility. Equipped with 8 to 12 manifold pins, reduce threat and avoid liquid that drawn into the pump to break the equipment. The IMW-500 comes with different microplate well profile: F-well plate for superb optical properties and are thus this plate is used for optical measurement, and well suited with microplate reader and washer; V-well plates are used for the application where the total sample volume pipetted out, used to combine optical properties of F-plate with rounded well bottom ends to facilitate liquid to flow out easily; and U-well plates, and strips washing used to eliminate liquid without disruption and can be used to transfer the data among the PC and the washer or among two washers, similarly it used to upgrade the software. Additionally up to different liquid lines can be used allowing flexible configurations including 1 Buffer bottle, 1 waste bottle, 1 rinse bottle and 1 wash bottle different wash solutions. Provide shaking and dipping function. CE AND ISO Certified.



- 1 Buffer bottle, 1 waste bottle, 1 rinse bottle and 1 wash bottle
- CE AND ISO Certified
- Low residual liquid with maximum capacity for each tubes or well would be $\leq 2 \mu\text{l}$
- Available with different profiles U-V-Flat bottom microplates and strips washing that use for immune assay to defined the consistency binding characteristic, however immobilisation of biomolecules is not affected by the well profile
- Operated by large LCD display with touch screen
- Automatic alarm for full liquid
- Suitable for ELISA and cell based assay
- Equipped with automatic washing functions and strainer to evade liquid problem through channel
- Capability to protect up to 120 programs
- Automatic alarm function
- User friendly, easy to operate and programmes and can updates software online
- Designed with washing shaking, dipping, and washing head to set the excellent washing of plates

Model	IMW- 500	
Display	LCD	
Washing Mode	Strips and plate mode	
Washing volume	50 to 3000 μl /well	
Washing heads	1x8 or 1x12 heads	
Residual Volume	2 μl /well	
F, U, V, C flat bottom	F, U, V, flat bottom	
Shaking Time Range	Adjustable 0 to 600 seconds	
Washing Time Range	Adjustable 0 to 99 times	
Dipping Time Range	Adjustable 0 to 3600 seconds	
Number of wash protocols	120	
Environment Temperature	5 to 40°C	
Humidity	80%	
Certification	CE and ISO	
Dimensions	448x382x163 mm	
Weight	8 kg	
Electrical Requirement	100V/50Hz	240V/60Hz
Catalogue No.	420550501	420550502

Microplate Washers IMW-1000

Microplate Washers IMW-1000 is known for their reliability and versatility. Equipped with liquid position sensor to evade discarded liquid from overflow, reduce threat and avoid liquid that drawn into the pump to break the equipment. The IMW-1000 comes with different microplate well profile: F-well plate for superb optical properties and are thus this plate is used for optical measurement, and well suited with microplate reader and washer; V-well plates are used for the application where the total sample volume pipetted out; C-well plates are flat type, used to combine optical properties of F-plate with rounded well bottom ends to facilitate liquid to flow out easily; and U-well plates are used to eliminate liquid without disruption and can be used to transfer the data among the PC and the washer or among two washers, similarly it used to upgrade the software. Additionally up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions.



- Low residual liquid with maximum capacity for each tubes or well would be $\leq 0.5 \mu\text{l}$
- Available with different profiles U-V-C-Flat bottom microplates that use for immune assay to defined the consistency binding characteristic, however immobilisation of biomolecules is not affected by the well profile
- Up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions
- Operated by large 4.3 inch LCD display with touch screen
- Proven optical system with 3 channels optical fiber scanning with accommodation of central and multi point washing system
- Automatic alarm for full liquid
- Suitable for ELISA and cell based assay
- Equipped with automatic washing functions and strainer to evade liquid problem through channel
- Capability to protect up to 100 programs
- Automatic alarm function
- User friendly, easy to operate and programmes and can updates software online
- Designed with washing head of diameter 0.1 mm and to set the excellent washing of plates
- The interface connection for this model are available with USB along with U-disk external support to set programs

Accessories

- 8 needles washing head
- 12 needles washing head
- Washing liquid bottle
- Waste liquid bottle

Model	IMW-1000	
Display	4.3 inch LCD display	
Washing channels	3	
Washing method	Central, 2 and multi points	
Washing volume	50 to 2000 μl	
Washing heads	1x8 or 1x12 heads	
Residual Volume	$\approx 0.5 \mu\text{l}$	
Plate types	F, U, V, C flat bottom	
Bottle	3 pcs 2.5L washing bottle, 1pcs 2.5L waste bottle	
Dispense accuracy	CV $\leq 2.0\%$ at 300 μl (CV $\leq 1.5\%$ for 96 wells)	
Number of wash protocols	100	
Interface	USB	
Dimensions	345x460x200 mm	
Weight	11.5 kg	
Electrical Requirement	AC100, 50Hz	AC240V, 60Hz
Catalogue No.	420600501	420601001

