

**zygon**

[www.zygon.ca](http://www.zygon.ca)

| [info@zygon.ca](mailto:info@zygon.ca)



**ZMW-100 AAA**

**MICROPLATE WASHER**



## Description

It is controlled by computer to wash 48 well and 96 well microplate in experiments of Enzyme Linked Immunosorbent Assay (ELISA), Time-Resolved Immunofluorometric Assay (TRFIA) and Chemiluminescence, which are widely used in clinical diagnostic laboratories, centers for disease control and prevention, animal and plant quarantine, animal husbandry and veterinary epidemic prevention stations, biotechnological industries, food industries, environmental science, agricultural scientific research and other academic organisations.

## Features

- 3.5-inch LCD display.
- Easy to name, edit and save different 100 wash programs.
- Any line and hole can be easily cleaned, unnecessary to complement the whole plate or strip.
- Stop or Pause key in the panel can be chosen to stop or pause during working.
- Aspirating in 2 positions, residual volume  $<0.7\mu\text{l}$ .
- Multi-plate can be selected by default settings or manual operation.
- Microplate holder is detachable, which makes easy to disinfect and maintain it.
- Suitable for flat, U and V-bottom microplates.
- Special rinse procedure makes easy to maintain the device and reduces contamination between plates.
- Wash bottle filter keeps sediment in the solution away the pipes.
- The control technology for pump pressure can avoid clogging in needles
- Automatical rinse procedure by distilled water when turn on or turn off can avoid crystallizing in the pipes.
- Detachable manifolds makes easy to clear particles in the manifolds.
- Waste water sensor avoids overflow in the waste bottle.
- Scientific structure design avoids bottom contaminating.
- Patent design of washer manifolds avoids it out of position or flop.

Plate models	flat-, round -, U-, V- plate (96-well and 48-well)
Manifold types	8- and 12- way
Wash times	1 to 99 times adjustable
Wash lines	1-12 lines selectable
Residual volume	<0.7 µl /well
Wash mode	plates or strips
Dispensing uniformity	CV < 1.5%
Dispensing volume	50-950µl, interval 50µl adjustable (May extend to 0-6000µl, interval 25µl adjustable)
Number of dispensing channels	3 channels
Soaking and shaking time	0-999 (seconds/minutes/hours) adjustable
Aspiration time	0.1-9.9 seconds adjustable, interval 0.1second
Pipeline wash time	0-240 seconds adjustable
Distilled water automatically wash interval	0-20 plates
Operation language	English