

**LABDEX**

# MICROPLATE WASHER

LX751MW



[www.labdex.com](http://www.labdex.com)

[info@labdex.com](mailto:info@labdex.com)

## Microplate Washer LX751MW

Microplate washer LX751MW is a microprocessor controlled washer to wash 48 well and 96 well microplates with three dispensing channels. It is suitable for flat, U and V-bottom microplates with multi-plate selection by default or manual operation. Efficient washing of 2 microplates alternatively within a min. Features adjustable wash head positions with a residual volume of  $< 0.7 \mu\text{l}$  / well. Detachable manifold and microplate holder for easy disinfection and cleaning. Coating function with 1000 microplates per hour.

### Features

- Suitable for flat, U and V bottom plates
- Default multiplate selection or Manual operation
- Adjustable wash head positions (Horizontal/left/right/middle/bottom/interval of plates)
- Stop or pause key for choosing to stop or pause between operation
- Easy to clean line and holes ( unnecessary to clean whole plate or strip )
- Simple rinse procedure reduces contamination between plates
- Adjustable positions of dispense and aspirate manifolds
- Wash bottle filter keeps sediments in the solutions away from pipes
- Pump pressure control technology avoids clogging in needles
- Detachable manifolds makes it easy to clean
- Waste water sensor prevents overflow in waste bottle
- Easy naming, editing and saving different 100 wash programmes

### Application

Used in clinical diagnostic laboratories, centers for disease control and prevention, animal and plant quarantine, animal husbandry veterinary epidemic prevention stations, biotechnological industries, food industries, environmental science, agricultural scientific research and other academic organizations

## Specifications

| Model No                           | LX751MW  |
|------------------------------------|--|
| Plate models                       | Flat, round, U, V plates ( 96-wells and 48-wells )   |
| Manifold types                     | 8 way and 12 way   |
| Wash head type                     | microplate 12 line × 8 well and 8 line × 12 well   |
| Wash times                         | 1 to 99 times selectable   |
| Wash lines                         | Whole plate or 1 to 12 lines random combination  |
| Residual volume                    | < 0.7 µl / well  |
| Wash modes                         | Single plate , double plate or multi-plate   |
| Dispensing uniformity              | CV < 1.5 %   |
| Dispensing volume                  | 50 ~ 950 µl, interval 50 µl adjustable<br>( May extend to 0-6000 µl, interval 25 µl adjustable ) |
| Wash speed                         | 5 seconds/plate , 140 plates/hour  |
| Soaking and shaking time           | 0 ~ 999 (seconds/minutes/hours) adjustable   |
| Aspiration time                    | 0.1~ 9.9 seconds (adjustable), interval 0.1 secs   |
| Microplate positions               | Plate A and Plate B  |
| Wash head positions ( adjustable ) | Horizontal, left, right, middle, bottom, interval of plates                                      |
| Bottle volume                      | 300 ml and 4000 ml for solution bottle, 4000 ml<br>for waste water bottle                        |
| Power                              | 220 V AC ± 30 % / 50 Hz ± 3 Hz   |
| Dimensions                         | 538 x 426 x 230 mm   |
| Weight                             | 21 kgs   |