

# Microtitration

## Automatic Microplate Washers

### Mikura

For fully automated, washing and filling of microplates, achieving fast, reliable processing with high precision and repeatability.

- ◆ Low residual volumes
- ◆ Open construction and RS232 interface allows easy integration with robotic systems
- ◆ Up to 25 user-programmable wash protocols
- ◆ Accommodates most variants of 96- and 384-well microplates
- ◆ Available with 8, 12, 16, 24 concentric tip configurations
- ◆ Back-lit alphanumeric display and easy to use, keypad control
- ◆ Separate dispense and aspirate channels minimise the possibility of cross-contamination

Dispensing volume	$\mu$ l	25 to 1500 in 25 $\mu$ l increments
Precision	C.V. %	$\pm$ 3 at 300 $\mu$ l
Reservoir capacities	litres	2
Stability (at 37°C)	°C	$\pm$ 0.1
Dimensions, H x W x D	mm	280 x 230 x 480
Weight	kg	6.5
Power		12V d.c. adapter requiring a 100-240V 50/60Hz a.c. supply

As described. Comprising manifold as indicated, 2 litre capacity wash and waste reservoirs, inlet/outlet tubing and power adapter with plug as indicated requiring a 100-240V 50/60Hz single phase supply.

#### With UK plug

- MN620-10** 8-port manifold for 96-well plates
- MN620-20** 12-port manifold for 96-well plates
- MN620-30** 16-port manifold for 96-well plates
- MN620-40** 24-port manifold for 96-well plates
- MN620-47** With channel for 16-port manifold for 96- and 384-well plates
- MN620-49** With channel for 24-port manifold for 96- and 384-well plates

#### With European plug

- MN620-55** 8-port manifold for 96-well plates
- MN620-65** 12-port manifold for 96-well plates
- MN620-75** 16-port manifold for 96-well plates
- MN620-85** 24-port manifold for 96-well plates
- MN620-89** With channel for 16-port manifold for 96- and 384-well plates
- MN620-92** With channel for 24-port manifold for 96- and 384-well plates
- MN620-97** Aerosol protection cover for MN620-series



MN620 in use

## Microplate Reader, Optica

### Mikura

8-channel ELISA photometer for 96-well microplates.

- ◆ 8-channel, mono or bichromatic reading
- ◆ Two optical filters built-in (450nm and 630nm)
- ◆ Memory storage of up to 10 different assays with plates containing up to 12 standards and 12 controls
- ◆ Qualitative or quantitative assay with qualitative interpretation displayed graphically
- ◆ Result curves: direct plotting point to point, linear regression and 4 parameters (log-logit)
- ◆ Results calculation modes: OD, direct or calculated cut-off, single calibrator, programmable curves from 2 to 12 points
- ◆ Operated via the membrane keypad and dot matrix LCD or from the user's PC using the RS232 interface
- ◆ Timed linear plate shaking function

Range	OD	0.000 to 3.000
Accuracy	%	$\pm$ 1 from 0.000 to 1.500 OD $\pm$ 2 from 1.500 to 3.000 OD
Optical system		8 x separate tungsten bulbs sources and silicon photodiode detectors
Filter wavelengths	nm	450 and 630*
Reading time	secs.	16 - monochromatic 32 - bichromatic
Outputs		Centronics printer port and RS232 interface
Dimensions, H x W x D	mm	240 x 200 x 577
Weight	kg	8.2
Supply requirements		100-240V 50/60Hz a.c.

\*Additional filters are available (maximum 2 can be fitted) - details on request

As described. With plug as indicated. For 100-240V 50/60Hz single phase supply.

- MN625-25** Microplate reader, Optica, with UK plug
- MN625-30** Microplate reader, Optica, with European plug



MN625 in use