MPARR-960
Micro-plate Reader

Features

-Advanced optical system, ensure accurate result and good repeatability.

-Bichromatic measurement, multi-calculation methods include ABS, Cut-off, Linearity and Log.

-Easily programmable and operate through PC software or keyboard

-Ability to communicate with PC，free PC operating software

-Plate shaking feature

-Working base on Windows system

-Control machine, test programming, calculating results and indicating reagent recession curve.

-Multi-calculation methods on board: linearity, LogX, logY, logXY, Parabola regression, Polynomial regression, 4PL Regression.

-A complete data administration system for: micro-plate, reagent, patient, laboratory and results

Specifications

-Reading Speed: 5 seconds for 96 well plates

-Test channel: 8 channels

-Light source: Halogen lamp 8V/50W

-Number of filters: Standard 4pcs; Optional 4pcs

-Wavelength of standard filters: 405nm、450nm、492nm、620nm

-Filter bandwidth: 10nm; Precision: ±3nm

-Photometric Range: 0.000-4.000 ABS

-Photometric Accuracy: ±1% (0.000-2.000Abs)

-Wavelength Range: 340~750nm

-Applicable programs: 28 except of PC

-Measure Mode: Monochromatic, Bichromatic

-Calculation Mode: ABS; Cut-off; Linearity; LogX; LogY

-Display: 240*128 LCD screen, white LED backlight

-External Port: 9-pin serial connector, 25-pin parallel connector

-Interface: RS232, parallel interface for external printer

-Output: External printer (optional)

MPARW-520B
Micro-Plate Washer

Parameter

-Large LCD display, intelligent software, easy to operate

-Strong washing function, bottom washing and two positions aspiration make completed washing effect

-8-channel or 12 channel washing head interchangeable, inside of the washing head is detachable and easy to maintain

-Washing Pressure, volume & time adjustable, washing times, soap time pre-settable, whole plate or single strip or arbitrary washing acceptable

-Needle positions adjustable and up to 10 different needle positions pre-settable

-5 position of needles are adjustable, fit for multi-kind of plates

-Self calibration and trouble alarm function
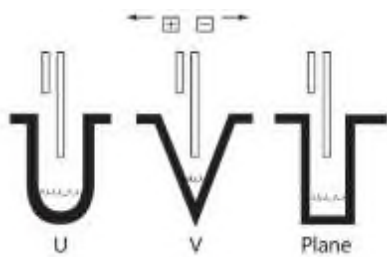
-Large memory to store up to 100 program

Figure1. Needle position adjustable
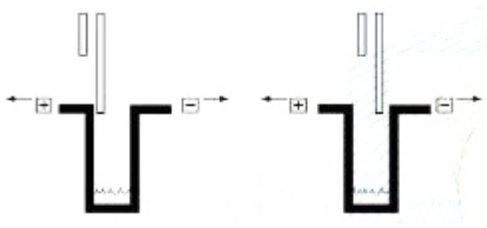
Figure 2. Bottom washing

Figure 3. Two position aspiration

Plate: 48/96 well and trips (U,V, Flat bottom)

Residual Volume: ≤2ul

Dispensing volume: Adjustable from 50 to 900 ul

Wash cycles: 1-16 optional

Mode of wash: From 1 to 12, row and rank, selectable

Soak time: Up to 990 seconds adjustable

Shake time: Up to 990 seconds adjustable.

Display: Large LCD

Channel: 3 channels for washing liquid, 1 channel for waste liquid

Memory: up to 100 programs can be stored

Interface: RS232