Microplate Reader / ELISA

MRX **A2000**

KLAB
OPTIZEN, Spectrophotometer

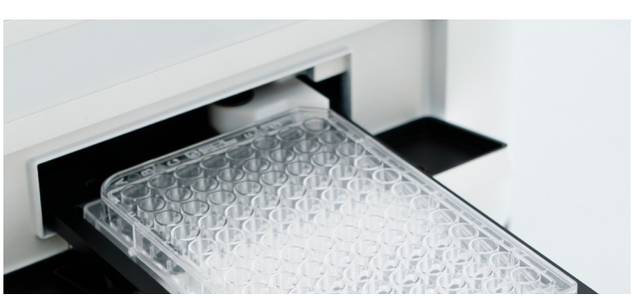
Application

- Endpoint or Kinetic ELISA
- Nucleic acid and protein direct quantification
- Microbial growth assays
- Cytotoxicity assay
- Cell proliferation assay
- Spectral scanning

The MRX A2000 can be used with 6 – 384 well plates and cuvettes and provides excellent measurement performance in the UV-VIS area. User convenience has been improved by applying intuitive PC software. Endpoint, Kinetic, Spectral scanning, Well area scan modes are provided, and incubation and Shaking functions are also provided to enable various applications.

Configurations

Part Number	Description
MR	Microplate Reader with PC S/W
MRC	plus cuvette port.
MRT	plus tablet PC.
MRCT	plus cuvette port, tablet PC.



Features

- Quantitative analysis of nucleic acids and proteins, ELISA, and microbial growth experiments are possible by selecting a wavelength in the range of 200 – 999 nm
- Various workflows can be applied by providing endpoint, kinetic, spectral scanning, and well area scanning modes
- Compatible with 6 to 384 well plates
- Quantitative analysis of nucleic acids without dilution using the Micro-Volume Plates accessory
- Temperature-controlled down to 65°C and control of water vapor condensation to perform temperature-sensitive assays
- Linear, orbital and double orbital shaking
- Measurement possible through Cuvette port (Optional) (to be released in the second half of 21st)

Optional Accessories

- Micro-Volume Plates
  (to be released in the second half of 21st)
- OPTIZEN Secure for 21 CFR Part 11 compliance
  (to be released in the second half of 21st)
- Product Qualification Package
- Absorbance Test Plate

Configurations

Product name	MRX A2000
Detection modes	UV-Vis absorbance
Photometric System	Dual-beam type
Read methods	Endpoint, kinetic, spectral scanning, well area scanning
Microplate types	6 ~ 384 well plates
Temperature control	up to 65 °C
Shaking	Linear, orbital, double orbital
Software	OPTIZEN ViewPlate
Light source	Xenon flash
Detector	Photodiode
Wavelength selection	monochromator
Wavelength range	200 - 999 nm / 1 nm increments
bandwidth	2.9 nm
Dynamic range	0 - 4.0 OD
Resolution	0.0001 OD
Pathlength correction	yes
Wavelength accuracy	± 1 nm
Wavelength repeatability	± 0.2 nm
OD accuracy	<1% at 2.0 OD
	<3% at 2.5 OD
OD linearity	<1% from 0 to 2.5 OD
OD repeatability	<0.5% at 2.0 OD
Stray light	0.03% at 230 nm
Reading speed (kinetic)	96 wells fast read: < 8 seconds
Power	110/220V, 50/60Hz
Weight	12 kg
Regulatory	CE, KC