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Medical-Biological Research & Technologies

HiPo MPP-96, Microplate Photometer

Smart Plus Product Class

DESCRIPTION

Microplate Photometer HiPo MPP-96 is a compact tabletop device for measuring the results of ELISA and microbiological studies in 96-well microplates. Photometer is controlled and outputs data via computer. The device is supplied with specialized software QuantAssay.



Microplate Photometer HiPo MPP-96 is compatible with IDEXX xChekPlus™ software.

Features of QuantAssay software:

- ELISA assays of any complexity can be carried out via robust assay editor with help of Assay Wizzard
- Quantitative assay includes up to 20 standards
- Avidity/Affinity assays
- Multiplex assays with up to 7 assays on one plate
- Qualitative assay includes up to 11 controls
- BestFit function for selecting the best calibration curve
- User friendly interface: get your results in 3 clicks
- Save, load and export results
- Creates visual reports

Accuracy (405, 450, 492, 620 nm)

0.000 – 2.000 OD ≤ (0.5 % ± 0.010 OD) typical
2.000 – 3.000 OD ≤ (1 % ± 0.010 OD) typical

Precision / Reproducibility (405, 450, 492, 620 nm)

0.000 – 2.000 OD ≤ (0.5 % ± 0.005 OD)
2.000 – 3.000 OD ≤ (1.0 % ± 0.005 OD)

* - up to 4 custom filters can be fitted on demand

CAT. NUMBER

BS-050108-A02	230VAC 50/60Hz Euro plug
BS-050108-A03	230VAC 50/60Hz UK plug
BS-050108-A05	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-050108-DK	IQ OQ document
BS-050108-EK	PQ document
Optional light filters	Optional light filters
400	400 nm
455	455 nm
458	458 nm
460	460 nm
470	470 nm
480	480 nm
486	486 nm
488	488 nm
500	500 nm
508	508 nm
510	510 nm
515	515 nm
520	520 nm
532	532 nm
535	535 nm

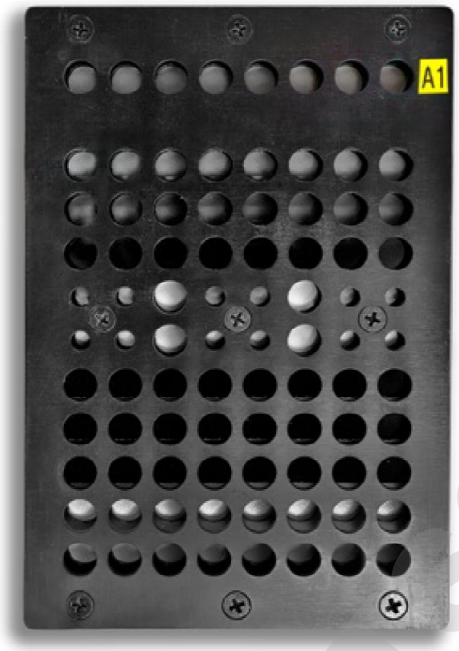
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SPECIFICATIONS

Detection mode	Absorbance
Light source	LED, self-calibrating
Photodetector	8 silicon photodiodes
Plate type	96-well microplates (including strip-well microplates)
Reading speed	5-8 s per wavelength
Measurement modes	Endpoint, kinetic and multi-label measurements
Measurement channels	8
Reference channel	1
Measurement range (max)	0 – 4.3 OD (with standard preinstalled filters 0-3.5 OD)
Resolution	0.0001 OD
Wavelength range	400 – 700 nm
Wavelength selection	up to 8* filters on wheel standard filters 405, 450, 492 and 620 nm
Shaking speed control range	4 amplitudes, 4 speeds
Software	QuantAssay Reader is compatible with IDEXX xChekPlus software
PC system requirements:	Intel/AMD Processor, 1 GB RAM, Windows Vista/7/8/10, USB
Dimensions (W×D×H)	140 x 300 x 130 mm
Weight	4.6 kg
External power supply	Input AC 100–240 V 50/60 Hz, Output DC 12 V

540	540 nm
546	546 nm
550	550 nm
560	560 nm
568	568 nm
580	580 nm
589	589 nm
594	594 nm
600	600 nm
610	610 nm
632	632 nm
636	636 nm
640	640 nm
647	647 nm
650	650 nm
656	656 nm
660	660 nm
671	671 nm
676	676 nm
680	680 nm
685	685 nm
690	690 nm
694	694 nm

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OD Plate
BS-050108-AK
Verification instrument for Hipo MPP-96

OD Plate is the measurement verification instrument for microplate photometer MPP-96 HiPo. The instrument is designed to verify the accuracy and precision of measurements of the photometer at 6 levels of nominal optical density: 0.3; 0.6; 1.0; 2.0; 3.0; 4.0 OD. The instrument is supplied with the following verification wavelength range: 405–700 nm.

Instrument is provided in a shockproof container with an USB flash drive containing:

- Copy of measurement results
- User manual

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