



Programmable MTP Reader Mod. DV 990 BV4 & BV6

performs Auto-immune and Allergy tests for quantitative and cut-off method readings with Elisa Methods

Print data

Main Specification

- Rack holder for 96 wells microplates
- Wavelength range 380-720nm.
- Automatic filter selection supplied with narrow band interference filters:
- B/4 four filters (405-450-492-620 nm) or other wavelength on request in the range 380-720 nm
- B/6 six filters (405-450-492-550-620 670nm) or other wavelength on request in the range 380-720nm.
- Readings single wavelength, double wavelength (A-B), or multiple (dual wavelength) for measurement range expansion
- Fast reading single double wavelength 8" / trichromatic14"
- Plate shaking before readings
- Measurement range 0-3A or 0-9A in dual wavelength mode.
- Linearity ± 1%
- LCD back-lit 4 lines display (English language)
- 24 keys membrane keyboard with 42 functions.
- Bi-directional RS232 interface
- Parallel output for printer
- 30 storable programs
- Blank and standard assignments.

METHODS

CUT OFF: print out of 96 wells absorbance values with P or N marker

for each well in matrix or one line each sample format.

QUANTITATIVE: up to 7 standards in single or duplicate. Print out four parameters or polygonal regression curve in linear or logarithmic scale, prompt for eventual aberrant curve points'

logarithmic scale; prompt for eventual aberrant curve points' modification. Absorbance and concentration print out in matrix or one line each sample format.

In both methods standard and controls can be memorized

Options:

System 990 Plate Ki

Plate Kit

for instrument validation with software

DV990Win5

Windows™ Software for analyses quantitative, cut-off.

DV990Win6

Quantitative, cut-off and kinetics. Windows™ Software with flexible data handling, using a scheme structure of the

microplate

DV 990BV READER is a stand-alone programmable system: printing-data with printer EPSON LQ300 -LX300, DeskJet 920 HP or 940HP

DV 990BV READER can be connected to PC with the software DV990Win5, DV990Win6.



SOFTWARE DV990win6

- Programs for qualitative, quantitative and kinetics analysis
- Scheme of the microplate.
- Results saved on files to be utilized with additional programs
- Readings: single wavelength, double wavelength (A-B), or multiple
- Memorization of standard
- Easy data entry.
- Replicates



Flexible wells assignment of blanks and controls.

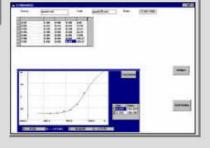
 8 cut off levels subordinate to controls absorbance values signed with P or N marker -8 validation formulas with error signal

Printed results: in matrix or one line each sample format.

Quantitative



- Regression curve: stray line, polygonal, spline and 4 parameters
- Graphic scale: linear or logarithmic.
- Printed results: in matrix or one line each
- sample format. 2 a 7 standard;
- Curve presentation lin lin and lin-log.



Kinetic

Number and time programmable Calculation in quantitative mode

HARD	WARE SPECIFICATIONS
OPTICAL SYSTEM	8 MEASURING CHANNELS+1 FOR LAMP AUTO-CALIBRATION
READING TIME	SINGLE WAVELENGTH: 8
	DOUBLE WAVELENGTH: 8
	THRICHORMATIC WAVELENGTH: 14
ABSORBANCE RANGE	0 - 3A IN SINGLE WAVELENGTH 0 - 9A IN TRICHRCOMATISM
ACCURACY	1A (OD) ± 0,02 OD
LINEARITY	±1%
REPEATABILITY	1,0 A (OD) ± 0,01 A (OD)
RESOLUTION:	0.001 A
SPECTRAL RANGE:	380 - 750 NM.
FILTERS:	NARROW BAND INTERFERENTIAL AUTOMATICALLY SELECTED
SOURCES:	HALOGEN LAMP
DISPLAY	LIQUID CRYSTALS
KEYBOARD	ALPHANUMERIC 24 KEYS 46 FUNCTIONS
DATA HANDLING	INTERNAL SOFTWARE OR PC SOFTWARE
INTERFACES	PC: RS-232C
	PRINTER: PARALLEL OUTPUT
ELECTRIC REQUIREMENTS	220 V 50 HZ 300 W OR 110V/60 HZ
WEIGHT:	11KG
DIMENSIONS:	40 X 35 X 15 (H) CM

INTERNAL SOFTWARE SPECIFICATIONS

CAPITULATES 30 STORABLE CAPITULATES
READINGS SINGLE WAVELENGTH

DOUBLE WAVELENGTH (A-B OR B-A)

DUAL WAVELENGTH (RANGE EXPANSION)

BLANKS SINGLE OR DUPLICATE

STORAGE OF CALIBRATIO CONTROLS OF PRECEDING RUNS AND CURVES EVENTUALLY OF CURVES MODIFICATION ON THE BASE OF WELLS USED AS CONTROL:

CUTOFF CUTOFF CALCULATION

METHODS PON MARKER FOR EACH WELL ACCORDING TO THE CAPITULATE HANDLING

QUANTITATI 2 TO 7 STANDARDS, IN SINGLE OR VE METHODS DUPLICATE

DATA SAMPLES IN SINGLE OR DUPLICATE

HANDLING REGRESSION CURVE: 4 PARAMETERS OR

POLYGONAL

CURVE PRINTOUT IN LINEAR OR

LOGARITHMIC SCALE.

PRINTOUT RESULTS IN ABSORBANCE AND

CONCENTRATION

PRINTOUT SEQUENTIAL OR IN MATRIX FORMAT

CONFORMITY IEC 61010-L ELECTROMAGNETIC COMPATIBILITY 89/336/EEC- CE marking