



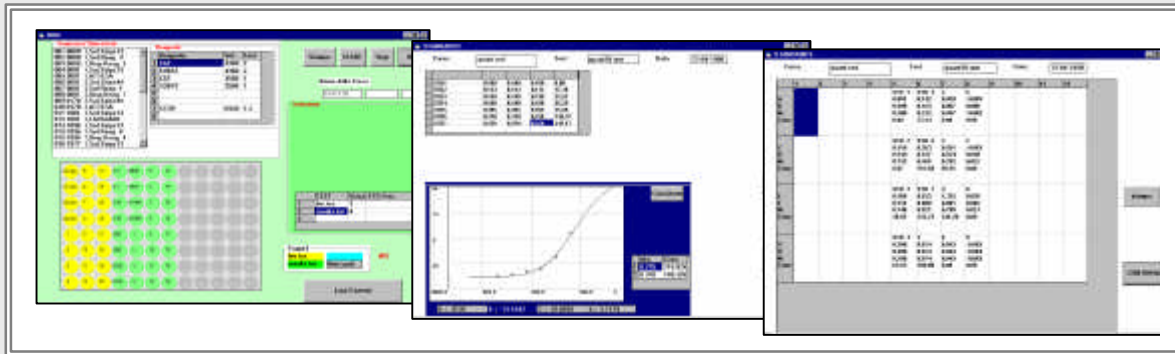
## Automatic Work Station for the Execution of Elisa Tests on Microplate

MOD.  DV 999



PC controlled System with function of reagent dispenser, washer, incubator, shaker and reader

A powerful Windows® program runs the System and handles on a single microplate up to 3 different tests concurrently.



### Main Specifications

- Rack holder for 96 well-microplate
- Eight reagent holder.
- Dispensing reagent manifold with 8 tips.
- Eight reagent choice.
- Washing manifold with 8 pairs of tips.
- Dispensed reagent volume programmable.
- Programmable plate shaking.
- Programmable washing operations.
- Incubator at 37,40, 42 °C.
- Six filters, automatic selection (405-450-492-550-620-670nm) or other wavelength on request in the range 380-720nm.
- Single wavelength, double wavelength (A-B), or trichromatic readings
- Linearity  $\pm 1\%$ .

- Measurement range 0-3A or 0-9A in trichromatic wavelength mode. Concentration print out in matrix or one line each sample format.
- RS232 Interface bidirectional
- CUT OFF METHODS:  
print out of 96-well absorbance values signed with P or N marker for each well in matrix or one line each sample format.
- QUANTITATIVE METHODS:  
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' modification. Absorbance and concentration print out in matrix or one line each sample format.

Produced by

GIO. DE VITA E C S.r.l

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UNI EN ISO 9001 IT8844



## Mod. DV 999



### TECHNICAL DATA

Electric requirements	220 V 50 Hz 300 W or 110V50/60 Hz
Dimension	mm 700 X 570 X 450
Weight	Kg 35
Control	By PC with Windows program
Reagent dispensing	Through Teflon tips directly connected to syringes
MPT rack	The rack hold one microplate; dispensing and washing are performed for 8 wells strips 8 reagent container and a tips washing area to avoid carry over
Reagent dispensing manifold	with 8 tips directly connected to 8 syringes.
Reagent dispensing accuracy	± 4µl
Dispensing reagent volume	Variable and programmable with the possibility of recollecting the unused reagent.
Plate Shaking	Programmable
Incubation	37°, 40°, 42° C:
Washing Head	8 couples of tips for aspirating and dispensing on a single strip.
Washing method of aspirating	1) rapid and direct from the bottom - 2) rapid with a lateral displacement and programmable level of aspiration.
Washer Dispensing accuracy	±5%
Washing Dispensing volume	Variable and programmable (>20 µl < 590 µl) Even when an amount of liquid greater than the well's capacity is dispensed, no overflow effect occurs since the aspirating tips are always operating.
Washing solution container	Washing solution can be aspirated from any type of bottle.
Waste discharge	In any type of bottle or container.
Optical System	8 measuring channels
Reading Time	single wavelength: 9" double wavelength: 9" trichromatic wavelength: 9"
Absorbance Range	0 – 3A in single wavelength 0 – 9A in trichromatic wavelength
Accuracy	0 - 2,0A (OD) 450 nm: ± 0,02 A (OD)
Linearity	± 1%
Precision	1,0A (OD) at 450 nm ± 0,01A (OD)
Resolution:	0.001 OD
Spectral Range:	380 - 750 nm. supplied with filters 405,450,492,540,620,670 nm
Filters:	narrow band interferential automatically selected
Sources:	halogen lamp
Interfaces	pc: RS-232c
Conformity	IEC 61010-L ELECTROMAGNETIC COMPATIBILITY 89/336/EEC - 93/68 CE Mark

GIO. DE VITA E C. S. R.L

Item	MOD	Volum ecm l/w/h	Weight Kg	Qty	Total box	Total Weight
1	DV 999	80x80x50	35,00	1	1	KG. 45

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