

Personal Lab 2

Full-automatic ELISA system



The Personal Lab 2 is a 2 micro-plate fully automated processor able to operate the dispense, incubation, reading, data processing and storage of results. Its user friendly approach for both software and hardware allows the operator to start working with the instrument as soon as it is out of the box, no pre-adjustments or calibrations required.

Specifications:

Sample racks	60 or 80 – 12 mm sample tubes or 40 - 16 mm sample tubes
Dilution rack	92 positions
Reagents holder	modular racks to hold calibrators, controls and reagents for 8 methods on line
Liquid reservoirs	external tanks equipped with level sensors; 2 washing buffer
Microtiter plates	2 plates (96 wells) with incubation capability, from room temperature to 45 °C
Dispensing system	1 aspirating-dispensing probe with X-Y-Z movement; dilution system with a syringe of 1000 μ l, continuous flow washing station
Washing system	two 8 nozzle on line manifolds with automatic adaptation for the different micro-plates height
Washing Residual volume	< 3 μ l
Washing inaccuracy	CV < 5 % with 300 μ l
Reading system	8 independent photometric channels for mono and bichromatic reading
Optical filters	2 filters (450 and 630 nm); 2 more on request (max 4 filters)
Reading inaccuracy	\pm 1% from 0.000 to 1.500 OD \pm 2% from 1.500 to 3.000 OD
Dispensation	from 8 ml to 1000 ml with 1 μ l resolution; inaccuracy \pm 1% with 100 μ l
Software	Windows 98 and XP operating system, to set up the work list, patient reports and results filing; calibration curves storage for each carried-out test
Connection	LIS interface capability, work list set up from Host computer. Capability of connecting more instruments to a single PC.
Power requirements	230 / 115 VAC, 50-60 Hz, 350 W
Measurements	cm 62 x 82 x 72
Weight	79.5 kg
OPTIONAL	sample Bar Code Reader