

ELISA PROCESSOR 3000



Analytical Technologies ELISA PROCESSOR 3000

3000 is a 2 microplate 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.

TECHNICAL FEATURES

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 µl, continuous flow washing station

Washing system : two 8 nozzle on line manifolds with automatic adaptation for the different micro-plates height

Washing Residual volume : < 3µl

Washing inaccuracy : CV < 5 % with 300 µl

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 : ± 1% from 0.000 to 1.500 OD ± 2% from 1.500 to 3.000 OD

Dispensation : from 8 ml to 1000 µl with 1µl resolution; inaccuracy ±1% with 100 µl

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

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