

AP22 / AP22 IF / AP22 IF BLOT **ELITE**

Incubatori ELISA indipendenti

Veloce processore IFA

Completa automazione BLOT



AP22 ELITE è un sistema completamente automatico per test ELISA su 2 micropiastre con temperatura ed agitazione indipendenti, 8 test in linea con diversi tempi di incubazione e modalità di lavaggio, diluizione e dispensazione di campioni e reagenti fino alla lettura finale, calcolo ed archiviazione dei risultati.

AP22 IF ELITE è un sistema automatico per test ELISA ed IFA. Oltre alle caratteristiche dell'AP22 ELITE lo strumento è in grado di processare 16 diversi vetrini IFA con tempi di incubazione indipendenti e differenti modalità di lavaggio, diluizione e dispensazione di campioni e reagenti con possibilità di lettura dei codici a barre dei vetrini.

AP22 IF BLOT ELITE è un sistema automatico per test ELISA, IFA e BLOT. Oltre alle caratteristiche dell'AP22 IF ELITE un modulo BLOT e fotocamera dedicati consentono una completa automazione di 24 Dot/Western Blot strip, dalla diluizione e dispensazione di campioni e reagenti, incubazione e lavaggio delle strip fino all'acquisizione ed elaborazione dell'immagine per il calcolo dei risultati con compilazione ed archiviazione dei report.



AP22 / AP22 IF / AP22 IF BLOT **ELITE**

CARATTERISTICHE TECNICHE ELISA

Removable trays	modular racks to hold calibrators, controls and reagents for 8 test on line
Elisa dilution cups	110 positions
Microtiter plates	2 standard plates (12x8 well format) incubated from room temperature up to 45°C
Shaker	Microtiter plate shaking capability (optional)
Liquid handling	1 probe for dilution and dispense
Sample dispense time	11s with 2 ml of washing solution
Plate washing	two 8 nozzle manifolde, one to dispense and the other to aspirate; residual volume <3 µl
Wash buffers	2 wash buffers for microplates in external tanks with level sensors
Plate washing inaccuracy	< 5% with 300 µl
Reading system	8 independent photo-metric channels with mono and bicromatic reading capability
Interferential filters	2 precision filters (450nm and 630nm); 2 more on request (4 filters max, 400-700nm)
Reading capability	reading from 0.000 to 3.000 OD; inaccuracy ± 1% from 0.000 to 1.500 OD, ± 2% from 1.500 to 3.000 OD
Operating functions	management of 8 methods in the same run; definition of incubation times and volumes for sample and reagents dispense, different incubation times for each method; easy and fast settings for new protocols; worklist set up, patient reports and result filing; calibration curve storage for each carried out test.

IFA TECHNICAL FEATURES (AP22 IF ELITE and AP22 IF BLOT ELITE only)

Liquid handling	2 probes: one to dilute and dispense, the second for slide well washing
Average throughput	11s with 2 ml washing solution
Sample dispense time	30 minutes to dispense or wash 16 slides with 12 wells
Sample dilution time	15s with 2 ml of washing solution
Slide washing	10 test on line capability, trays with 220 dilution cups, tray for 16 IFA slides;
Washing modes	reagent tray for 18 controls, 9 conjugates, 1 cleaning solution for the probe and 2 diluents
Supplied trays	able to detect 150 µl
Wash Buffers	2 buffers for slide washing in external tanks with level sensors
Operating functions	each well is washed independently by: continuous flow, drop by drop or multiwell mode

BLOT TECHNICAL FEATURES (AP22 IF BLOT ELITE only)

Liquid handling	2 probes: one to dilute and dispense, the second for strip washing
Dispensation	up to 3000 µl
Reagent tray	10 tests on line capability: 10 x 110 ml reagent vials and 10 controls positions
Strip holders	3 trays (8 strip per tray) to run up to 24 strips
Strip washing	liquid dispense and aspirate run by two independent probes
Wash buffers	2 buffer tanks with level sensors for strip washing
Reading capability	high resolution color camera for imaging acquisition
Strip drying system	the heating considerably cut the waiting time for the reading (optional)

COMMON TECHNICAL FEATURES

Sample tray	91 sample tubes Ø 12 mm or 70 sample tubes Ø 16 mm; both can be used in the same run
Sample barcode reader	built-in sliding barcode reader
Dilution cuvettes	cup blocks with 22 wells each
Syringe	1000 µl volume, 1 µl step resolution
Dispensation	from 5 µl to 1000 µl by steps of 1 µl, inaccuracy ± 2% at 100 µl
External liquid tanks	WASH and WASTE tanks equipped with level sensors
Connection	LIS interface capability, work list import from Host computer; a single PC can run more instruments
PC specifications	Intel I5 processor; 4 GB RAM; VGA 1024x 768; HD with 100 GB free space; CD-ROM reader; USB 2.0 port; RS232 Serial Port
Operative systems	Windows 7 or Windows 10
Power requirements	230 or 115 VAC, 50-60Hz, 350W
Measurements	62 x 83 x 72h cm
Weight	85 KG

The shown features could be altered without notice

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(EU) 2017/746 IVDR



rev. 01