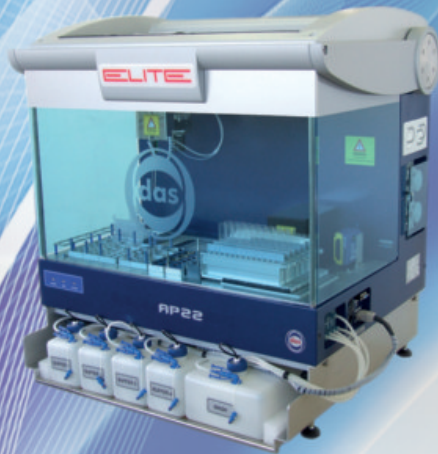
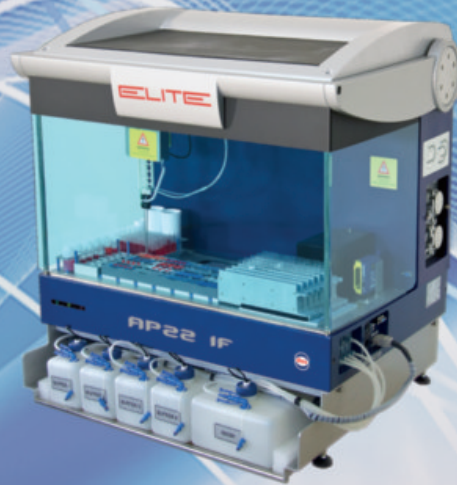


# AP22 - AP22 IF - AP22 IF BLOT ELITE

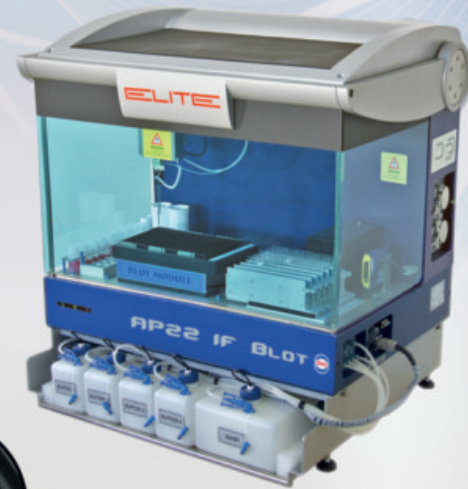
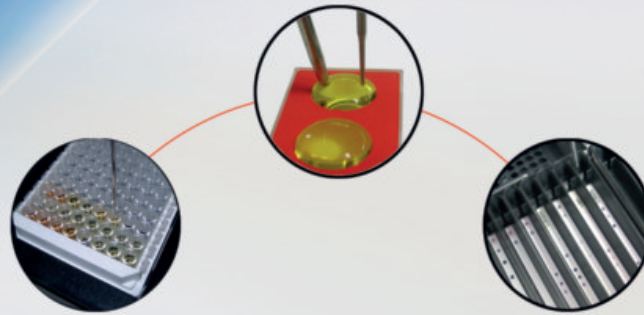
Built-in sample  
bar code reader



Faster  
IFA processing



Built-in  
microplate shaker



## ELISA - IFA - BLOT Processors Power - Precision - Reliability

**AP22 ELITE** is a full automated system for ELISA method. The instrument is able to run 2 ELISA micro-plates with 8 tests on line, with sample pre-dilution, sample and reagent dispense, incubation and washing cycles up to the final ELISA reading and data processing.

**AP22 IF ELITE** is a full automated system for ELISA and IFA methods. The instrument is able to run 2 ELISA micro-plates with 8 tests on line or 16 IFA slides with sample pre-dilution, sample and reagent dispense, incubation and washing for the slide wells.

**AP22 IF BLOT ELITE** is a full automated system for ELISA, IFA and BLOT methods. The instrument is able to run 2 ELISA micro-plates with 8 tests on line, 16 IFA slides or 24 BLOT strips; apart from ELISA and IFA processing, it is able, by the use of the Blot Module and a camera to carry out the full automation for Dot/Western Blot, with sample dilution, reagent dispense, incubation, strip washing up to the Dot Imaging Processing and assessment of the strips. The software also provides the data record and patient report.



ITALY

APPLIED INNOVATION

UNI EN ISO 9001 - UNI EN ISO 13485 CERTIFIED COMPANY

# AP22 - AP22 IF - AP22 IF BLOT

## ELITE

### ELISA TECHNICAL FEATURES

Removable trays	modular racks to hold calibrators, controls and reagents for 8 tests on line
Elisa dilution cups	110 positions
Microtiter plates	2 standard plates (12 x 8 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 manifolds one to dispense and the other to aspirate; residual volume <3 µl
Wash Buffers	2 buffers for microplate washing in external tanks with level sensors
Plate washing inaccuracy	< 5 % with 300 µl
Reading system	8 independent photo-metric channels with mono and bichromatic reading capability
Interferential filters	2 precision filters (450 and 630 nm); 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

### 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
Sample dispense time	11s with 2 ml washing solution
Slide processing time	30 minutes to dispense or wash 16 slides with 12 wells
Supplied trays	10 tests on line capability: tray with 220 dilution cups; tray for 16 IFA slides; reagent tray for 18 controls, 9 conjugates, 1 cleaning solution for the probe and 2 diluents for samples
Liquid sensor probe	able to detect 150 µl
Wash Buffers	2 buffers for slide washing tanks with level sensors
Slide washing modes	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 to wash the strips
Dispensation	up to 3000 µl
Reagent tray	10 tests on line capability: 10 x 110 ml reagent vials and 10 control positions
Strip holders	3 trays (8 strips per tray) to run up to 24 strips
Strip washing	liquid dispense and aspirate run by two independent probes
Wash Buffers	2 buffers tanks with level sensors for slide washing
Reading capability	high resolution colour 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 sample 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 in parallel
PC specifications	Intel I5 processor; 4 GB RAM; VGA 1024 x 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, 50-60 Hz, 350 W
Measurements	62 x 83 x 72 h cm
Weight	85 Kg

THE SHOWN FEATURES COULD BE ALTERED WITHOUT NOTICE

