



ELAN 30s

Fully Automated ELISA Microstrip Processor

Compact.
Versatile.
Accessible.

Making Automation Affordable
for Labs Everywhere



www.erbamannheim.com

Creating Time.





ELAN 30s.

With the fully automated Elan 30s, you have all the automation you need to achieve greater workflow efficiency.



No Batching, No Problem.

The flexible software design of the Elan 30s means that small batch sizes can be accommodated, reducing the need to freeze samples and improving overall result turn around times.



Time is Precious

The Elan 30s creates time. The flexibility and versatility of the Elan decreases user interventions and allows staff more time to focus on the clinical aspects of laboratory operations.



Uniquely Versatile

Every lab is unique and so is this machine. Elan 30s can run up to 6 different assays simultaneously, allowing laboratories everywhere to offer a broader range of investigations.



Results Matter

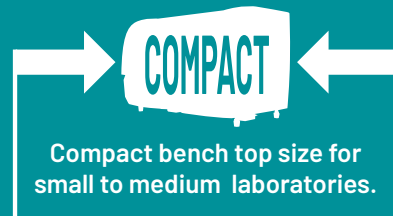
The Elan 30s is a perfect first step into fully automated ELISA workflows. Automation can facilitate significant improvements in the quality of results as analytical variables are removed. Less errors are better for everyone!

6

PERFORMS UP TO
SIX TESTS
SIMULTANEOUSLY



Auto self-check mode
liquid level detection and
dispense monitoring



Compact bench top size for
small to medium laboratories.



Single Probe

for dispensing
of samples
and reagents

(optional disposable tips)



**Automated
well washing**
performed at
customized
volumes and
cycles



Temperature
controlled
incubations



single and dual
wavelength reading
option for complete
ELISA processing



30x8

240 microwell locations
equivalent to 2 ½ ELISA
microwell plates



**Separate aspiration
and dispensing needles**
to avoid cross-contamination



QC reports

- Levey-Jennings chart
- CV Evaluation
- OD Evaluation
- Conc. Evaluation

59 sample locations

(Sample + Pre-dilute)



User-friendly
software-guided
ELISA process



**24 reagent
locations for 20ml**

option for loading reagents in test
tubes & common reagent position



**30 Calibrator / Control
loading locations**



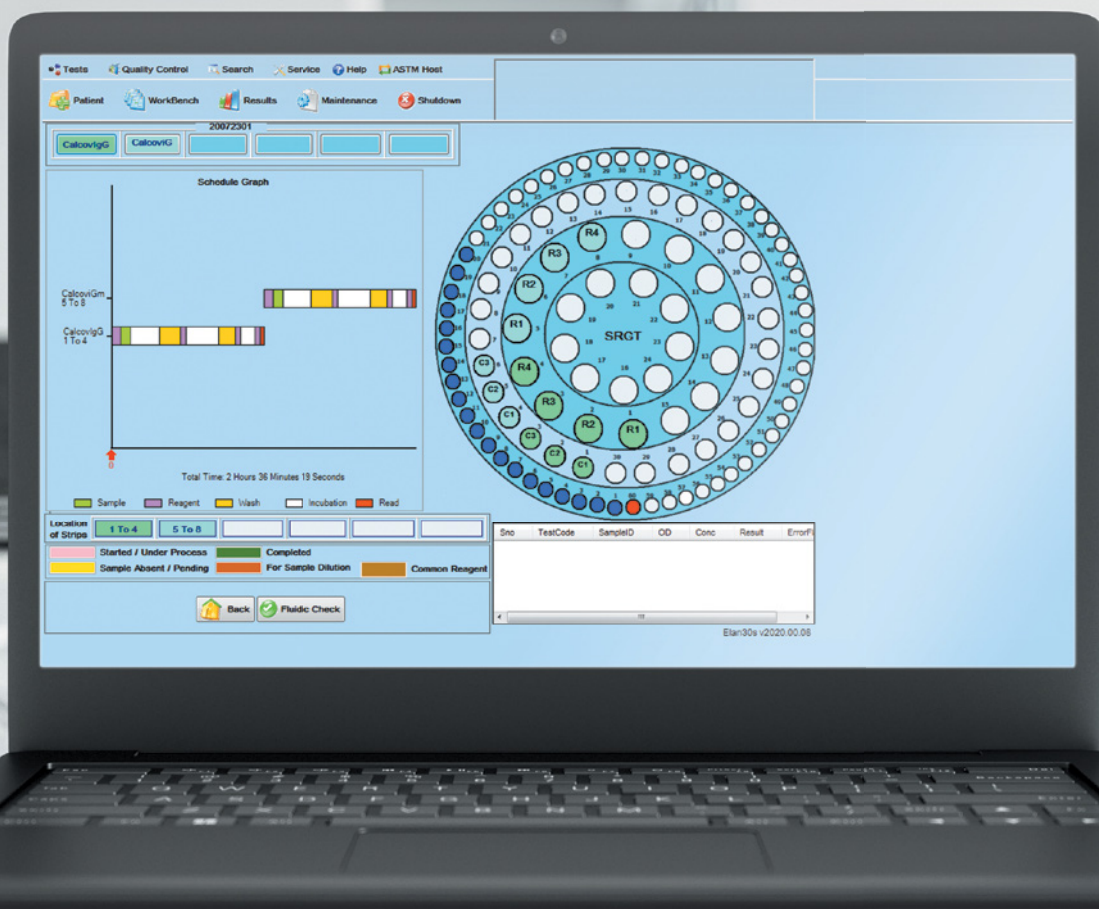
Bio-hazardous
waste disposable unit

Complete Solution for *Your* ELISA Workflow

Every laboratory is different. The Elan 30s allows users to develop new, flexible analytical workflows by taking advantage of smart scheduling software.

By combining up to 6 different assays in a single run users can break the traditional 2 or 4 plate mold and create 'clinical panel' based workflows.

Multiple reporting formats enhance the final steps of the process and allow the user to report faster with more convenience.



TECHNICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS

DIMENSIONS

Length: 1058mm
 Breadth: 520mm
 Height: 533mm
 Weight: 65kgs
 Shipping weight: 95kgs

POWER SUPPLY

Voltage: AC 110 – 240 V
 Frequency: 50 hZ / 60 hZ
 Power consumption: 300 W

GENERAL SPECIFICATIONS

Self-check at startup: Yes
 Assays per batch: Up to 6 tests
 Number of strips: 30 × 8 = 240 micro wells
 Sample tube size: 12 mm × 75 mm (5ml)
 Reagent bottle: 24 × 20 ml
 Controls & Calibrators: 30 × 1.5 ml
 Location: 41 to 58 can be used for loading reagents in 5mL test tubes
 Sample dilution: In test tubes
 Tip capacity: 204 tips

READER SPECIFICATIONS

Dynamic range: 0.0 – 4.0 O.D
 Wavelength range: 400 – 800 nm
 Filter slots: 405 nm, 450 nm, 492 nm, 630 nm & 3 open positions
 Reading mode: Single & Dual

Reading time: 20 sec per strip for single wavelength
 Precision: < 1% C.V at 0.5 to 2.0 O.D
 Accuracy: ± 1 or 2.5% (0.000 to 3.00) whichever is greater

WASHER SPECIFICATIONS

Manifold configuration: 8 for aspiration & 8 for dispensing
 Wash cycle: 1 to 9 (repeatable)
 Residual volume: < 6 µL
 Wash buffer capacity: 1 × 4L & 2 × 1L
 DW Can: 1 X 20L
 Low buffer alarm: Yes
 Soak time: 20 to 60 sec
 Dispense pressure: Pre-set
 Rinse function: Yes
 Waste Can: 1 × 20L

INCUBATOR SPECIFICATIONS

Temperature range: 37°C or R.T
 Temperature accuracy: ± 1°C across plate @37°C
 Shaker facility: Yes
 Incubator time: Programmable
 Time to reach temperature: < 5 min
 Temperature monitoring: Yes

PIPETTING SPECIFICATIONS

Dispensing mode: Fixed needle or disposable tips
 Sample tips range: 300 µL (5–200 µL)
 Reagent tip range: 300 µL (10–200 µL)

Sample tip precision: < 3% CV at any operating volume above 10 µL
 < 2% CV at 100 µL
 Reagent tip precision: < 1% CV at 100 µL

PROCESS SECURITY

Liquid level sensor: Yes
 Level sensor system: Conductive
 Clot detection: Yes
 Tip detection: Yes
 Alarms: Yes

SOFTWARE

Computer included: Desktop PC running Windows-based O.S.
 Controlling software: ELAN 30s
 Work protocols (assay): Unlimited
 Data Processing:
 Quantitative & Qualitative
 Levey-Jennings: Yes
 Westgard rules: Yes
 Process reporting:
 Event log + error log
 Automatic error recovery: Yes
 Password access control: Yes

CONSUMABLES

Probe clean solution : XL Wash
 Carbonated disposable tips:
 Sample tips, Reagent tips

Please visit our website for full details of the ErbaLisa ELISA assay range
www.immunology.erbamannheim.com



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.2