

Reader Specifications	
Wavelength Range	400-800 nm
Filters	4 standard (405nm, 450nm, 492nm, 630nm) & 3 Optional (550nm, 595nm, 690nm)
Photometric Range (Dynamic)	0.000 to 3.000 OD (At 405nm & 450nm)
Precision	At 405nm & 450nm : < 5% CV at 0.0 to 0.5 OD 2% CV at 0.5 to 2.0 OD < 3% CV at > 2.0 OD
Accuracy	± 3% OD
Read Time	20 secs / Strip for single wavelength
Linearity	At 405nm & 450nm: 0.0 to 3.0 OD with R ² > 0.95
Shaker facility	Stepper or Continuous Mode

Washer Specifications	
Manifold Configuration	8-way wash head
Residual Volume	< 12µl
Washer Container	2 Wash bottles 1.0 L, and 1 Optional wash buffer bottle 1.0L with Level Sensing (Using Float Sensors),

Incubator Specifications	
Temperature Range	37 Deg. C OR Ambient
Temperature Accuracy	± 2 Deg C
Warm-up Time	20 mins

Product Specifications	
No. of Strips (No of Tests)	30, (30x8 wells) 240 wells
No. of Sample Tubes	58
No. of Reagents	24
No. of Calibrators/Controls	30
Total no. of Carbonated Tips	204

Operating Environment	
Power Requirements	AC 230V , 50Hz
Power Consumption	300 VA
Ambient Room Temperature	25-28 °C
Storage Temperature	10-50 °C
Relative Humidity	upto 90% relative humidity without condensation
Dimensions	1058mm L x 520 mm B x 533 mm H
Weight	65 Kgs

Sample Pipetting	
Sample and Reagent Probe	1 Nos
Sample Dispensing Modes	Fixed and Disposable Tips
Disposable Tips	Carbonated
Sample Tip size	300µl
No. of Sample tips	180
Sample Pipetting Volume	5µl - 200µl
Standards/Controls Tube size	1ml
Sample Tube dimensions	12mm X 75mm (5 ml)
Sample Cup dimensions	2 ml
Dead Volume for samples Tube	240 µl
Dead Volume for samples Cup	225 µl
Dead Volume for standards/ controls	225 µl
Dead Volume for reagents	1.2 ml
Sample Pipetting Time	With Tips : < 12 mins. (100µl in 96 wells) With Probe : < 12mins (100µl in 96 wells)
Sample Pipetting Precision (Probe)	≤ 2% CV at 10µl ≤ 1% CV at 100µl
Sample Pipetting Accuracy (Probe)	+/- 5% of the Target Volume for 10µl +/- 2 % of the target volume above 50µl
Sample Pipetting Precision (Tip)	< 3.5% CV at 10µl < 2.0% CV at 100µl
Sample Pipetting Accuracy (Tip)	+/- 5% of the Target Volume for 10µl +/- 2 % of the target volume above 50µl

Reagent Pipetting	
Reagent Tip Size	300µl
No. of Reagent tips	25
Reagent Pipetting Volume	10µl - 200µl
Dead Volume for Reagents	1200µl
Reagent Bottle sizes	6ml/12ml
Reagent Pipetting Accuracy (Probe)	+/-5 % of the target volume ≥ 50ul
Reagent Pipetting Precision(Probe)	≤ 1% CV at 100µl
Reagent Pipetting Time	< 8 mins. (100µl in 96 wells)

* Specifications are subject to change without notice as an ongoing product development activity. * Photographs shown are representative only and actual product design may vary.



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Less Tests, Less Samples

Less Tests, More Samples

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ELAN 30s

ELan 30s

Product Features

- Multi Test, Fully Automated Microstrip ELISA System
- 30 x 8 microwell locations i.e equivalent to 2 ½ plate system
- Open System
- Ease of Programming
- Multiple microwell types



- Disposable and Fixed Tip dispensing.
- 37°C or Ambient Temperature enclosed incubator
- 8 Manifold Washer
- Single and Dual Wavelength Reading
- Multiple Report Formats

ELISA TESTS PANELS

- Thyroid Hormones
- Steroid Marker
- Fertility Hormones
- ToRCH
- Cancer Markers
- AutoImmune
- Bone Metabolism
- Hepatic Markers
- Diabetes Markers
- Infectious
- Drugs Of Abuse
- HIV, HBsAg, HCV
- Growth Marker
- Dengue, Leptospira

For Small, Medium Workloads



An innovative design approach to automation in ELISA. Six Multi-protocol tests can be programmed in a batch.

It is the automated solution for Labs with small, medium and varied ELISA workload. Whether it is autoimmune and hormone Tests in a biochemistry lab or infectious diseases at a microbiology lab or a medium blood bank workload; it will handle it all.

So, now no need to settle for a reader and washer, when you can automate ELISA reasonably.

General Specifications

Sample	Serum / Plasma
Measurement Principle	Colorimetry (End Point)
Applicable analytes	Vertical Photometric Assay Antibodies, Antigens, Hormones, Cancer markers and others biomarkers in ELISA Format.
Test method	Absolute measurement
On board tests	Max of 6 different tests can be programmed On-board (considering an average of 4 Reagents per test and max of 5 Calibrators/Controls per test each)
Assay modes	End-Point Assay - Qualitative, Semi Quantitative and Quantitative Assays
Sample Tubes	75 mm Primary Tubes
Well Types	Different Well geometrics in Flat, U and V bottom
Reaction time	Depends on the assay protocol of different tests
Reaction Volume	Max 200µl
Test selection	Programming of the Batch of test is done using Workbench module.Group Test entry is possible using Profile Option.Workbench entry from host computer via interface (User selectable)
Barcode identification	Sample tube barcode ID Using Handheld CCD Barcode. Allowed barcode types - Code 39, UPC A, code 128 (A,B,C), EAN8, Interleaved 2 of 5, NW7.
Quality Control	QC reports are generated using L-J Chart / CV Evolution / O.D Evolution / Conc Evolution
Max. Nos of Calibrators per Test	10 Nos or more. User defined.
Calibration Curve	Point-to-Point, Linear Regression, Polynomial Regression, Cubic Spline
Maintenance	Wash (Auto Wash, Probe Wash), Prime, Strip cleaning