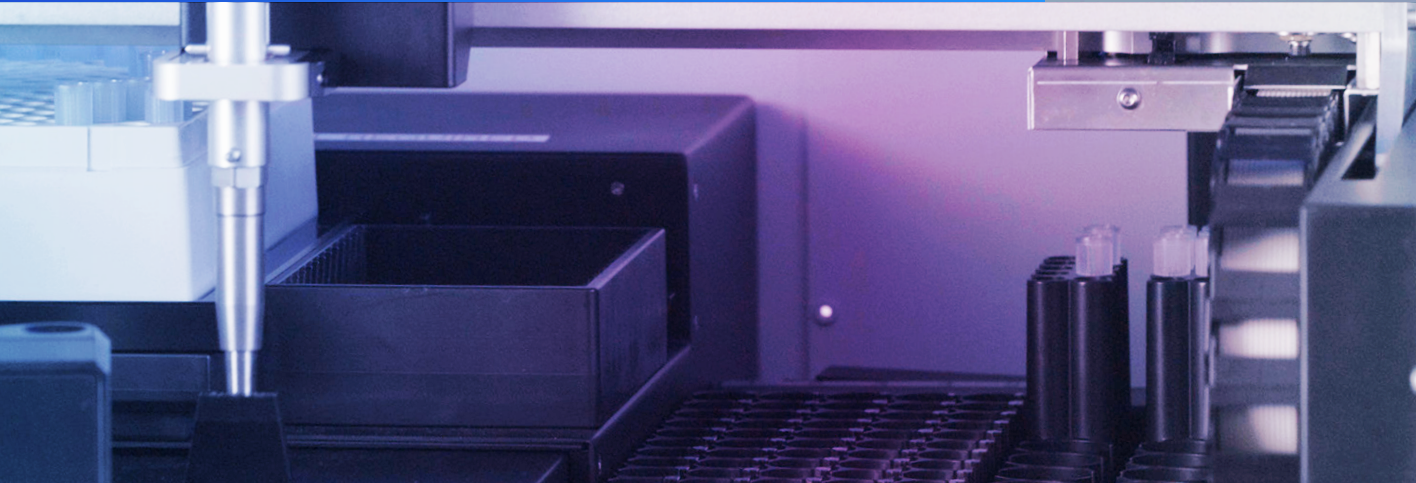


DS2[®]

ELISA SYSTEM



DYNEX® Technologies

We are a powerhouse in automated sample processing and clinical diagnostic testing, bringing over seven decades of innovation and dependability to the global diagnostic industry. Quality is the cornerstone of our business, reflected in our family of U.S. manufactured, ISO certified instruments.

Powerful and precise, DYNEX's portfolio of diagnostic instruments highlight efficiency and effective time management through our automated assay testing platforms. Our instruments offer scalable testing solutions customized to outfit your unique laboratory.

Designed to protect your investment, our consumables support peak performance of both instruments and test results, every time.

Automating ELISA testing with the DYNEX® DS2® system elevates your laboratory operations with added functionality and productivity.



Small Footprint. Big Impact.

The DYNEX® DS2® open system offers sophisticated ELISA automation to address your customers' need for timely and accurate results, while significantly increasing your laboratory productivity. The DS2's incredibly small footprint allows for easy integration into a fast-paced laboratory.

Meeting Clinician Needs

- ✓ Run the assays clinicians prefer
- ✓ Program parameters to satisfy clinicians' preferred reporting format
- ✓ Minimize test result errors with automated result calculations
- ✓ Customize testing to accommodate your clinicians' specific assay requirements
- ✓ Create peace of mind with verification and traceability of processes
- ✓ Eliminate sample-to-sample contamination to ensure accurate results



Maximizing Lab Productivity

- ✓ Conserve space while increasing your ELISA testing capacity with a footprint of less than 4 sq. ft.
- ✓ Maintain existing assay vendor relationships
- ✓ Automated testing reduces potential for human error
- ✓ Save time with multi-assay management of up to 100 samples on-board and 2-plate incubator
- ✓ Deliver quality results with real-time alerts of gross-pipetting errors and quick processing time
- ✓ Minimize learning curve for laboratory personnel with an intuitive graphic user interface
- ✓ DYNEX® LIS connectivity and integration

Meet heightened clinician demand for timely and reliable results, with confidence.

For more information on how we can help you achieve optimal laboratory proficiency, contact your local DYNEX business partner.

Physical Specifications

Dimensions	Metric	Non Metric
Width:	54 cm	21 in
Depth:	68 cm	27 in
Height:	66 cm	26 in
Footprint:	0.36 sq m	3.9 sq ft
Bench Weight:	48 kg	105 lbs
Ship Weight:	78 kg (max.)	170 lbs
Noise Output:	< 78 dB	

Power Supply Requirements

Voltage:	100 – 240 V automatic conversion
Frequency:	50/60 Hz
Power Consumption:	< 300 VA

System Specifications

Number of Plates:	2
Sample Capacity:	100 per load
Continuous Sample Loading:	Yes
Sample Tube Size:	10 mm – 16 mm diameter / 40 mm – 100 mm height
Number of Reagents:	Up to 8 (25 mL tubes) / Up to 10 (15 mL tubes)
Number of Standard/Control Bottles:	24 (2 mL vials)
Assays per Plate:	Up to 12
Dilution Wells Capacity:	Up to 96 deep-well strips (12 x 8)
Sample Tip Capacity:	216 tips (2 x 108)
Reagent Tip Capacity:	20 tips

Reader Specifications

Photometric Range:	0.100 – 3.0 OD
Spectral Range:	405 nm – 690 nm
Filter Slots:	6 wavelength
Precision:	< 1% CV (< 2.0 OD) < 2% CV (2.0 – 3.0 OD)
Accuracy:	± 0.005 OD or 2.5% (0.000 – 3.000 OD) whichever is greater
Read Time:	< 30 sec (single wavelength)

Washer Specifications

Manifold Configuration:	8-way
Programmable Volumes:	50 µL – 1,000 µL
Wash Buffer Capacity:	2 wash bottles at 2 L, with level-sensing
Residual Wash Volume:	< 3 µL with super sweep
Dispense Precision:	≤ 5% CV (with 300 L in a 96 well plate)
Waste Container:	1 x 1.5 L

Attributes and specifications subject to change without notice.

Incubator Specifications

Number of Incubators:	2
Temperature Range:	Ambient + 4° C to 40° C
Temperature Accuracy:	± 1° C across plate @ 37° C
Shaking:	Independent linear motion 14 – 20 Hz (periodic or continuous)
Temperature Monitoring:	Yes

Reagent Pipetting Specifications

Reagent Tip Size:	1,300 µL
Reagent Pipetting Volume:	20 µL – 1,000 µL
Reagent Pipetting Precision:	< 3% CV at any operating volume above 20 µL (single-shot mode)

Sample Pipetting Specifications

Sample Tip Size:	300 µL
Sample Pipetting Volume:	10 µL – 250 µL
Sample Pipetting Precision:	≤ 3% CV at any operating volume above 10 µL (single-shot mode)
Dilution Range:	1 part in 199 one-stage dilution 1 part in 39,601 two-stage dilution

Process Security

Liquid Level Sensing:	Yes (reagents, controls and samples)
Level Sensor System:	Pressure differential
Clot Detection:	Yes
Dispense Anomaly Detection:	Yes
Tip Detection:	Yes
Electronic Signature Pipetting:	Yes
Alarms:	Yes

Software

Controlling Software:	DS-Matrix®
Work Protocols (Assays):	Unlimited
Data Processing:	Quantitative and qualitative
Levey-Jennings:	Yes
Westgard Rules:	Yes
Process Reporting:	Event log + error log
Automatic Error Recovery:	Yes
Password Access Control:	Yes

Ordering Information

Product #	Instrument/Components
62000	DS2 System
62010	DS2 System with Barcode Scanner
62700	Barcode Scanner
Product #	Consumables
62910	Deep-Well Strips (250/box)
65950	Reagent Tubes, 25 mL (24/pack)
62930	Reagent Tubes, 15 mL (10/pack)
65920	Reagent Tips (432/box)
65910	Sample Tips (432/box)
65940	Control Vials with Caps (33/pack)

Contact our Global Customer Service team to place your order today.

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Refer to User Manual for full explanation of instrument operations and maintenance.

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