



AGILITY[®]

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 accessories and consumables support peak performance of both instruments and test results, every time.








DYNEX® Agility® system embodies automated excellence in the laboratory.








Automated Excellence

Designed for high-volume processing, the DYNEX® Agility® system allows for simultaneous runs of multiple ELISA tests, with walk away processing and accuracy you can depend on. With reduced hands-on time of up to 60% and increased ELISA testing capacity, the Agility system is positioned to be your laboratory's trusted workhorse.

The Power of Efficiency

-  Eliminate long setup times and nearly all manual liquid transfers with the capacity for 16 DYNEX SmartKits®
-  Run the assays your laboratory is accustomed to or clinicians prefer
-  Experience faster automation with three robotic arms and continuous loading for up to 200 samples
-  Minimize learning curve for laboratory personnel with an intuitive graphic user interface
-  Reduce labor and consumable spend compared to current automated ELISA systems with a lower cost per sample
-  Minimize data input errors and improve sample and reagent tracking with 2D barcode scanning, including a barcode reading plate gripper
-  DYNEX® LIS connectivity and integration

Results that Pass the Test

-  Reduce human error by automating the testing process
-  Experience peace of mind with verification and traceability of quality process
-  Customize testing to accommodate clinicians' specific assay requirements
-  Minimize test result errors with automated result calculations for complex assays
-  Program parameters to satisfy clinicians' preferred reporting format

Play it SMART

DYNEX SmartKit® packaging contains the reagents that are required for an assay apart from the wash buffer(s).

SmartKit Advantages:

- Simple direct-load solution
- Reduces hands-on time by minimizing nearly all liquid transfers
- Cost savings on consumables

SmartKits & Consumables

Lot-Specific 2D Barcodes:

- Minimize costly data entry errors
- Ensure accurate and secure information
- Enhance quality and sample tracking



DYNEX Offers Three SmartKits Options:

Gold

Manufacturer Packaged Insert

Silver

Custom Bottle SmartKit Insert

Bronze

Open DYNEX Bottle Insert

Physical Specifications

Dimensions	Metric	Non Metric
Width:	125 cm	50 in
Depth:	90 cm	36 in
Height:	123 cm	49 in
Footprint:	1.16 sq m	12.5 sq ft
Bench Weight:	213 kg (max.)	469 lbs (max.)
Ship Weight:	296 kg (max.)	650 lbs (max.)
Noise Output:	< 70 dB	

Power Supply Requirements

Voltage:	100 - 240 V automatic switching
Frequency:	50/60 Hz
Power Consumption:	Typically 400 VA (online UPS required)

System Specifications

Number of Plates:	12 (additional continuous load capability)
Sample Capacity:	200 (additional continuous load capability)
Continuous Sample Loading:	Yes
Sample Tube Size:	10 mm - 17 mm diameter / 45 mm - 100 mm height
Number of Reagents:	Up to 16 different SmartKit® reagent packs simultaneously (additional packs can be added using continuous load capability)
Number of Standard/Control Bottles:	Included in each SmarKit reagent pack
Dilution Wells Capacity:	Up to 384 deep-well strips (48 x 8)
Sample Tip Capacity:	Up to 2,240 (20 x 112 with additional continuous load capability)
Reagent Tip Capacity:	Up to 98 tips (additional continuous load capability)

Reader Specifications

Photometric Range:	0.000 - 3.500 OD
Spectral Range:	405 nm - 690 nm
Filter Slots:	6 wavelength
Precision:	±0.010 OD at 0.000 - 0.500 OD < 1% CV at 0.501 - 2.000 OD < 1.5% CV at 2.001 - 2.500 OD
Accuracy:	±0.01 or 2.5% (0.000 - 3.000 OD) whichever is greater
Read Time:	< 30 seconds, single wavelength < 50 seconds, dual wavelength

Washer Specifications

Manifold Configuration:	8-way wash head
Programmable Volumes:	50 µl - 999 µL
Wash Buffer Capacity:	4 wash bottles at 3.0 L with quantitative level-sensing
Residual Wash Volume:	< 3 µl per well with dual-axis sweep in a flat-bottom well
Dispense Precision:	≤ 5% CV (with 300 µl in a 96 well plate)
Waste Container:	10 L with quantitative level-sensing

Attributes and specifications subject to change without notice.

Incubator Specifications

Number of Incubators:	12 (6 ambient/6 elevated)
Temperature Range:	RT + 4° C to 45° C (elevated incubator) RT + 4° C (ambient incubator)
Temperature Accuracy:	±1°C
Shaking:	14 Hz periodic or continuous
Temperature Monitoring:	Yes

Reagent Pipetting Specifications

Reagent Tip Size:	1,200 µL
Reagent Pipetting Volume:	20 µL - 1,200 µL
Reagent Pipetting Precision:	≤ 3% CV at 10 shots at any volume in operating range
Reagent Pipetting Accuracy:	±2% of target volume (single-shot mode)

Sample Pipetting Specifications

Sample Tip Size:	300 µL
Sample Pipetting Volume:	10 µL - 300 µL
Sample Pipetting Precision:	≤ 3% CV (at any operating volume above 10 µL)
Time to Dispense:	11 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep-well plates
Sample Pipetting Accuracy:	±2% of target volume
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:	Agility software
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
67000	Agility System
Product #	Accessories / Consumables
67910	Sample Tips (896/pack)
67920	Reagent Tips (490/pack)
62910	Deep-Well Strips (250/box)
24902350	Bronze Kit Insert
67960	Bronze Kit Troughs (50/pack)
65950	Reagent Tubes, 25 mL (24/pack)
65940	Control Vials with Caps (33/pack)
67930	Dilution Strip Holder + Barcode
67940	Mixing Well Strip Holder + Barcode
67951	Mixing Well Strips; Blue (125/box)
53000180	Barcode Labels

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

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

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

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